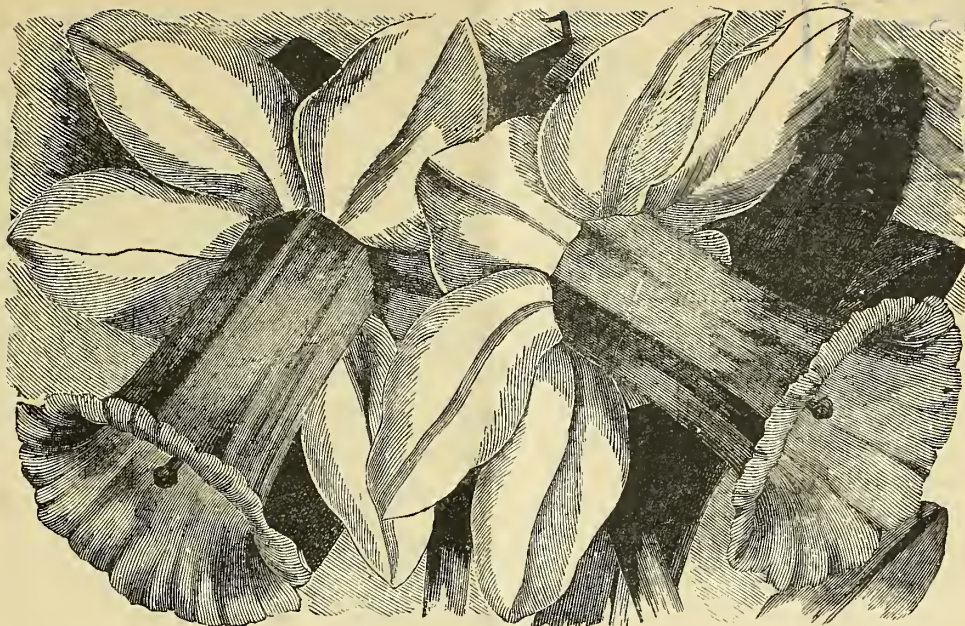


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Narcissus Empress.

FALL PLANTING.

The question is often asked, which is the better time to plant, Fall or Spring. The answer depends upon what is to be planted and when the question is asked. If it is asked in the Summer or Fall, then Fall is undoubtedly the better time to plant all trees, shrubs and herbaceous plants of unquestioned hardiness, and then the Fall is a time of comparative leisure in gardening operations and the weather is more favorable and the soil is usually in better condition and pleasanter to work in than it is in our Springs, wet and cold as they are nine years out of ten. It must be remembered, however, if the best results are wanted with hardy herbaceous plants they should be planted early enough in the Fall for them to become established before freezing weather sets in, otherwise they are apt to be thrown out of the ground by frost in Winter-time. This can be prevented by a mulching of stable manure, and the mulching is a benefit in any event. As far as possible I would advise the planting of hardy plants in September or early in October, but of course many of them are not in condition to transplant until the fifteenth of October. Trees and shrubs can be planted from the fifteenth of October until the ground freezes up. Magnolias, Rhododendrons, Azaleas and many other things should be planted in the Spring so as to have a season's growth before having to endure a Winter's severity, but when anything is ordered that should not be planted until Spring, I always advise my customers of it.

DUTCH BULBS.

As a rule I import bulbs to order only, but many of my customers neglect to send me their orders in time, and I am obliged to buy the stock in this country to fill these late orders, charge higher prices and deliver inferior stock. I have imported a few varieties of the very choicest and most desirable plants and bulbs in excess of my orders, and offer them at the same prices as if imported to order. These fine things are described in this Catalogue, but the prices quoted will only be good until the stock I have imported is exhausted. I cannot buy these bulbs in America and sell them at such low prices. Much of the stock described was personally selected this Summer in Europe. I will be pleased to quote prices on all varieties of Dutch Bulbs not offered in this list. These will not be of my own importation, but will be purchased from American dealers.

A GREAT TULIP.

Gesneriana (Hortensis), the tallest, largest flowered and showiest of all Tulips for bedding out in masses. Height, two feet to three feet. Flowers of enormous size, on strong, graceful stems, and the most durable of all Tulips, as it holds its beautiful color and keeps perfect for a long time, flowering in May. Color, rich crimson scarlet, with glittering blue-black center. There is no Tulip, no matter how high priced, that will give as much satisfaction. There are many Tulips sent out under this name that are not the true variety. I have secured the best stock in Holland, and I guarantee that every bulb I send is the true major variety. One of the good qualities of this Tulip is that it can be used for permanent planting and will improve year after year. Price, 30 cents per dozen; \$1.80 per hundred; \$14.00 per 1,000.

EMPRESS NARCISSUS.

For several seasons I have been making a specialty of Narcissus Bicolor Horsfieldi, and it is certainly one of the grandest of Daffodils, but with one weakness. The bulbs are liable to disease and sometimes decay in the packages while in transit. Narcissus Empress is simply an improved Bicolor Horsfieldi, larger and stronger and finer in every way and entirely free from disease. It has always been a very high priced variety, but a favorable purchase made in Holland this Summer enables me to offer it at about the same price as Bicolor Horsfieldi.

Narcissus Bicolor Empress (the Queen of Daffodils), very large flowers of pure white, with rich yellow trumpet, strikingly beautiful, fine for out of doors or for forcing. This is the finest of all Daffodils and one of the most beautiful hardy flowers grown. It should be planted where it can remain permanently. It will increase in size and beauty year after year. It really gives me great pleasure to offer this grand Daffodil at the following low prices, and it can now be planted by the hundreds and thousands, as it deserves to be. A few years ago it was selling in Holland at \$40.00 per 100, when I thought it one of the most beautiful hardy flowers in cultivation, an opinion I still hold, after growing it in my garden ever since. It is an acquaintance that improves with age. The bulbs I offer are from one of the most famous growers in Holland, who has made a specialty of this Daffodil since its introduction. Price, 90 cents per dozen; \$6.00 per 100; \$55.00 per 1,000.

Parrot Tulips.

Parrot Tulips sometimes do not bloom satisfactorily owing to improper planting. They like a light sandy soil, shallow planting and a sunny location.

Parrot Tulips do not receive the attention they deserve. These belong to the late or May-flowering Tulips, and have immense attractive flowers of singular and picturesque forms, and brilliant and varied colors. The petals are curiously fringed or cut, and the form of the flower, especially before it opens, resembles the neck of a parrot. They form extravagantly showy flower beds, are of endless variety of form and color, and should be grown in every flower garden in quantities. The Parrot Tulips I import are from the most famous grower of these in Holland, and very superior to those usually sent out.

	per doz.	per 100.
Parrot Tulips, fine mixed.....	\$ 25	\$ 1 60
Parrot Tulips, Perfecta, yellow and scarlet.....	35	2 25

	per doz.	per 100.
Parrot Tulips, Cramoise Brilliant, scarlet, finest of all.....	\$ 35	\$ 2 25

Hyacinths.

Mixed Hyacinths Should Never be Used for House or Greenhouse Culture.

Ready about September 15th to 20th. The prices quoted include packing, and bulbs will be shipped by express or freight, from Pittsburg, charges to be paid by customers. The prices of Hyacinths have advanced sharply in Holland this season and retail prices will be much higher this Fall. Comparatively, my prices are lower than ever.

SINGLE MIXED HYACINTHS.

	each.	per doz.	per 100.
Single Red and Dark Red.....	\$ 08	\$ 80	\$ 5 00
“ Pink.....	08	80	5 00
“ White.....	10	1 10	7 00
“ Pure White.....	10	1 10	6 75
“ Dark Blue and Purple.....	08	85	5 25
“ Light Blue.....	08	85	5 25
“ Yellow.....	09	90	6 30
“ All colors.....	07	70	4 25
Double “.....	08	75	4 65

SINGLE NAMED HYACINTHS.

The following Hyacinths are a selection of the best varieties for house culture. The bulbs are of the best quality and size.

	each.	per doz.
Amy, bright carmine, fine spike.....	\$ 11	\$ 1 20
Lord Macaulay, very fine bright red, extra large spike, one of the best.....	20	1 50
Gigantea, bluish, splendid truss.....	15	1 50
Baron von Thuy, very fine pink, extra large spike.....	13	1 40
Charles Dickens, the best pink, extra large spike.....	20	1 95
Baron von Thuy, (blue) large truss, dark blue.....	15	1 40
La Peyrouse, clear light blue.....	16	1 55
Queen of the Blues, light blue, with silvery appearance, extra fine.....	25	2 60
Lord Derby, light blue, one of the very finest.....	25	2 50
Baroness von Thuy, early, pure white.....	15	1 35
La Grandesse, purest white, extra fine.....	25	2 25
Paix de l'Europe, very fine, snow white, long truss.....	16	1 70
Ida, citron yellow, fine spike, the finest yellow Hyacinth in cultivation.....	25	2 10

Tulips.

	per 100.	per 1000.
Fine Mixed Single Tulips, quality equal to that generally sold.....	\$ 80	\$ 6 50
Extra Fine Mixed Single Tulips, extra selected.....	1 10	9 60
“ “ “ Double “ “.....	1 50	12 00

SINGLE NAMED EARLY TULIPS.

The letter A, B and C indicates the proportional earliness of the varieties if planted out-doors. A and B may be used together for bedding purposes, but those marked C are later. The numbers preceding names show the height of growth in inches. Those marked F after the name are best for forcing in the house or greenhouse. The following are the very best varieties of single Tulips in cultivation and all will be found extremely effective for bedding.

	per doz.	per 100.	per 1000.
A-8. Canary Bird, fine clear yellow-F.....	\$ 35	\$ 2 20	\$ 19 00
B-8. Chrysalora, large golden yellow, best yellow for out-doors-F.....	35	1 85	15 00
B-6. Cottage Maid, white, edged with rose, extra fine, lovely, splendid for bedding -F.....	30	1 80	15 00
C-9. Couleur Cardinal, fine red.....	50	3 00	22 00
B-8. Joost von Vondel, large cherry red and white, splendid-F.....	25	1 60	12 00
B-9. Keiser Kroon, red and gold, large and showy, a grand Tulip-F.....	20	1 50	13 00

	per doz.	per 100.	per 1000.
B-9. La Reine, (Queen Victoria), rosy white-F.....	\$ 30	\$ 1 75	\$ 15 00
A-8. Pottbaker, white, pure white, best white-F.....	35	2 25	18 00
A-8. Reubrandt, scarlet, fine.....	35	2 00	15 00
B-5. Rose Griseelin, beautiful pink, a splendid sort-F.....	30	2 10	18 00
B-8. Rosa Mundi, rose and white-F.....	25	1 55	12 40
B-8. Standard Silver, crimson and white -F.....	25	1 35	11 25
B-8. Yellow Prince, golden yellow, sweet scented.....	30	1 75	15 00

DOUBLE NAMED TULIPS.

The following two varieties of double Tulips described below are the most showy bedding Tulips that can be planted and continue for unusually long time in perfection.

	per doz.	per 100.	per 1000.
A-8. Imperator Rubrorum, extra large brilliant scarlet, fine for forcing, and one of the grandest for bedding.....	\$ 40	\$ 2 75	\$ 22 00
B-7. Rex Rubrorum, similar to above, but later, bright scarlet, splendid bedding sort, lasting a long time in perfection.....	35	2 00	17 75

Crocus in the Grass.

There is no reason why everybody, even if only possessor of the smallest strip of grass, should not have it filled with Crocus. The cost is but a trifle, and once planted they are no further trouble, and bloom beautifully year after year, and do not interfere with the mowing or care of the lawn whatever, but lawn should not be mown for two weeks after flowering of Crocus, and it does not need mowing earlier than this. They should be planted in the Fall, and set from one to two inches below the surface of the ground. They can be planted with a narrow trowel or stiff-bladed knife. When a large quantity is to be planted a very convenient implement can be made in the following manner. Take a piece of 1 1/4 inch brass or iron pipe 15 inches long; grind one end of it quite sharp. By pushing this pipe into the ground the proper distance it will cut out a core of sod and leave a hole to receive the Crocus bulb. By having a rod to fit the inside of the pipe, the core of sod can be forced back on top of the bulb and leave no trace of the work. Mowing the grass in the Spring, after the Crocuses are done blooming, will not injure them in the least.

The Crocus is one of the first flowers to bloom in the Spring, and it is no unusual sight to see the ground covered with snow and the Crocus in bloom at the same time. They are entirely hardy, do not deteriorate and may be left undisturbed for years. It is a good plan to plant Tulip and Hyacinth beds full of them, as they bloom and are out of the way before the other bulbs flower.

Carpet beds with designs worked out with Crocus are very effectual in early Spring. Crocus should be planted 1 1/2 or 2 inches apart, and for this purpose mixed Crocus should never be used. My advise would be always to plant named Crocus. They are very superior to mixed sorts.

SELECT NAMED CROCUS.

	per 100.	per 1000.
Baron Von Brunow, dark blue.....	\$ 65	\$ 5 75
Mont Blanc, white, best.....	60	5 00
Sir Walter Scott, striped, (finest striped).....	65	5 50

	per 100.	per 1000.
Sir John Franklin, large, dark purple.....	\$ 75	\$ 6 25
Madam Mina, light blue striped, very early, extra fine.....	65	5 50
Grand Lilac, light blue, very early and very fine.....	85	7 25
Large Yellow, mammoth bulbs.....	85	7 50

Narcissus.

	per doz.	per 100.	per 1000.
Alba Pleno Odorata , (double Poeticus), pure white, resembling a Gardenia, sweet scented, fine for out-doors or forcing.....	\$ 18	\$ 1 10	\$ 9 00
Barri Conspicuous , broad primrose petals and elegantly expanded crown, heavily stained orange scarlet, extra fine.....	85	5 50	.....
Bicolor Empress , pure white perianth, with yellow trumpet, extra large superb flower. This variety is an improved Bicolor Horsfield, and entirely free from disease.....	90	6 00	55 00
Bicolor Horsfield (the King of Daffodils), very large flowers, with pure white perianth and rich yellow trumpet, strikingly beautiful, fine for out-doors or for forcing. This magnificent Daffodil was raised by John Horsfield and it has made him famous.....	75	5 00	45 00
Emperor , the largest Daffodil in cultivation, golden yellow, superb. This Daffodil should be in every collection, it is really grand.....	1 25	8 50	.....

	per doz.	per 100.	per 1000.
Golden Spur , large deep yellow trumpet, with brim expanding like Maximus, and large spreading, full, deep yellow petals. This is one of the very largest and most beautiful Daffodils in cultivation, and should be used freely, both for out-door culture and for forcing.....	\$ 85	\$ 5 00	.....
Incomparabilis Sir Watkin , (the Welsh Giant Daffodil), very large petals of a rich sulphur yellow color, and large cup, yellow, tinged with orange, immense flowers, sometimes 5½ inches across.....	1 25	8 00	.....
Poeticus , (Pheasant's Eye), the well known	15	65	\$ 4 00
Poet's Narcissus	20	1 75	15 00
Poeticus Ornatus , improved Poeticus, can be forced earlier and blooms earlier out-doors	25	1 30	12 00
Princeps (Giant Irish Daffodil), primrose perianth, with yellow trumpet, extra fine.....	25	1 30	12 00
Von Sion , (double yellow Daffodil) one of the best forcing sorts, extra large fine bulbs, and are not mixed with the inferior greenish flowered variety usually sold.....	25	1 85	17 00

Milla Uniflora.

This charming Spring flowering bulb is almost unknown in this country, but I know of nothing lovelier. I first saw it in the garden of Mr. Chas. A. Dana, "Dosoris," Long Island, and was delighted with it, as I am sure every one will be that tries it. It likes a rather moist soil and should be planted where it can remain permanently. It can also be bloomed in the house with the same treatment as Hyacinths. For this purpose, several bulbs should be planted in a six or seven inch pot.

	per doz.	per 100.	per 1000.
Milla Uniflora , charming white star-like flowers with beautiful foliage, which covers the ground like a carpet. One of the choicest hardy bulbs, but not known in this country. Should be used freely in every garden.....	\$ 20	\$ 75	\$ 5 50
Milla Uniflora Violacea , same as above with violet flowers.....	25	1 00	8 00
Scilla Siberica , finest sky blue.....	15	1 00	7 25

Scilla Siberica is one of the loveliest Spring flowers. It has a color almost as deep as the sky itself. It is quite hardy, and flowers out-doors at the same time as the Snowdrop, in front of which it has a charming effect. It is fine for planting in the grass. If planted in pots and kept in-doors, it may be had in bloom as early as Christmas. Its magnificent bright blue color makes it suitable for any decoration whatever.

	per doz.	per 100.	per 1000.
Galanthus Nivalis , (single Snowdrop).....	\$ 15	\$ 95	\$ 7 75
Chionodoxa Lucillae , (Glory of the Snow).....	25	1 25	9 25

FALL PLANTING OF LILIES.

The great cause of failure and disappointment in planting Lilies is that they are kept out of the ground too long. The Auratum, Rubrum and Album, the most effective and desirable of all Lilies, are imported from Japan in the Fall, and usually do not arrive in this country until December, and, of course, cannot be planted out-doors until the following Spring. This long exposure greatly weakens the bulb and the flowers are not satisfactory. Never buy Lilies that are offered for sale in seed or floral stores; they are so weakened by exposure that they are worthless. This Fall I am importing an enormous quantity of Lilies from Japan, and instead of having them come by the slow, but inexpensive, all-water route, they are shipped by fast steamer to Canada, and from thence by special tea train, which enables me to have the bulbs in Pittsburg in October. Immediately upon their arrival they will be delivered to my customers, in ample time for planting this Fall.

Formerly I guaranteed October delivery of Japanese Lilies, and for several years always succeeded in delivering them in October, sometimes by the 10th of that month, but last Fall I received no Lilies from Japan until the middle of November, and some did not come until December. This year I have made contracts requiring October delivery, with penalties for failure, but while I fully expect to deliver all Japanese Lilies in ample time for Fall planting I will not guarantee it. In the event of bulbs not arriving in time for Fall planting, I will have them repacked in sand and stored in a cold cellar until Spring and deliver them as soon as the weather will permit. Lilies handled in this way will give just as good results as if planted in the Fall.



GROUP OF AURATUM LILIES.

Fall Planting of Lilies Continued on Next Page.

FALL PLANTING OF LILIES.—Continued.

Whenever delivered I guarantee Lily Bulbs to be sound, in first-class condition, true to name and strictly first-class in every respect.

I have gone to considerable trouble to give my customers the opportunity of planting Japanese Lilies under the most favorable conditions, for I know of no flowers that are more strikingly beautiful and effective, or that will give more pleasure and satisfaction to the planter. I am not only supplying bulbs of very superior quality, but I am also selling them for ONE-HALF regular retail prices, which you can confirm by referring to any seedsman's or plantsman's catalogue you may have at hand.

Lilies like a light, rich, well drained but moist soil, and a partially shaded location. If planted in full exposure to the sun, the beds should be carefully mulched with two or three inches of rotted manure, leaves, sphagnum or moss. They thrive and are very effective when planted thickly among Rhododendrons or Azaleas, and may be used to advantage in any open spaces that may be in the shrubbery. Bulbs should be planted six inches deep and care taken that no manure comes in direct contact with them. Planted in quantity, they may be had in bloom from June until frost, and bloom freely the first season after planting.

Rubrum, Melpomene, Album, and many other Lilies will thrive and increase in almost any soil, but unless the conditions are very favorable, Auratum Lilies deteriorate and a percentage will be lost every year; but they are so truly splendid, and are so inexpensive at the low prices at which I offer them, that they will be found to be the best garden investment that can be made. Try these Lilies, and send your order at once, so that they can be sent to you immediately upon their arrival from Japan. Longiflorum are similar in appearance to the Bermuda Easter Lilies, but are much more satisfactory for out-door planting, as they are perfectly hardy.

Prices of Lilies.

These prices include all charges except freight or express charges from Pittsburg. The measurements given refer to circumference of bulbs, but the Japanese evidently use an elastic tape, as the bulbs never quite come up to the measurements given. I give these sizes as they are generally used by the trade.

	per doz.	per 100.		per doz.	per 100.
Auratum Lilies, 7 to 9 inches.....	\$ 85	\$ 6 00	Speciosum Melpomene, 9 to 10 inches	\$ 1 60	\$ 9 00
“ “ 9 to 11 “	1 50	10 00	“ “ Album Lilies, 7 to 9 “	1 25	8 50
“ “ 11 to 13 “	2 50	18 00	“ “ “ 9 to 11 “	1 50	10 00
“ “ 11 to 13 “ selected bulbs.....	3 00	21 00	“ “ “ 11 to 13 “	2 50	12 00
“ “ 13 to 15 “ monster bulbs, very scarce.					
This size does not arrive until November.....	3 75	26 00			
Speciosum Rubrum or Roseum Lilies, pink, 7 to 9 inches.....	85	6 00	Longiflorum Lilies, 5 to 7 inches.....	\$ 70	\$ 4 00
“ “ “ 9 to 11 inches.....	1 35	9 50	“ “ “ 6 to 8 “	1 00	6 00
“ “ “ “ monsters.....	2 00	13 00	“ “ “ 9 to 10 “	2 25	14 00
Speciosum Melpomene, similar to Roseum or Rubrum, more brilliant in color, 7 to 9 inches.....	1 25	7 50			

The Longiflorum has large pure white trumpet shaped flowers like the Bermuda Easter Lily, but is perfectly hardy.

Other Japanese Lilies.

	each.	per doz.	per 100.		each.	per doz.	per 100.
Hansonii, a handsome variety flowering in June; has bright orange yellow flowers.....	\$ 65	\$ 6 00	.....	Batemani, bright apricot, flowers in July.....	\$ 1 25	\$ 8 00	.....
Leichtlinii, yellow, neat and elegant habit; flowers pure canary yellow with crimson spots.....	30	3 00	22 00	Rubellum, This is a beautiful new Lily, similar to Kramerii, but of much more vigorous constitution. It is unknown in this country, but in England where it has been fully tested it is highly praised and it seems likely to become as popular as the Speciosum varieties.....	25	2 25	15 00
Leichtlinii, red, orange red, with crimson spots.....	30	3 00	22 00				
Kramerii, distinct from all other Lilies; large flowers of a soft, beautiful rose color.....	1 25	9 00	.....			

Rare Varieties of Auratum Lilies.

The following varieties of Auratum Lilies are exquisitely beautiful, but difficult to import in good condition. They will be imported at the risk of customers only. I first saw these Lilies some years ago in London, when they were selling for a guinea (\$5.00) a bulb.

	each.	per doz.	per 100.		each.	per doz.	per 100.
Auratum Vittatum Rubrum, magnificent flowers, 10 to 12 inches across; clear, waxy white, with broad crimson stripe through the center of each petal.....	\$ 75	\$ 7 60	.....	Auratum Macranthum a grand variety of remarkable strength and vigor; immense pure ivory white flowers with a golden band through each petal, 7 to 9 inches.....	35	\$3 50	\$25 00
Auratum Pictum, a very choice variety; pure white, with red and yellow band through each petal.....	35	3 50	\$28 00	Large bulbs, 8 to 10 inches.....	45	4 50	33 00
Auratum Wittei, a magnificent Lily; immense flowers of the purest white, with a wide yellow stripe through the center of each petal; very tall growing and free blooming.....	75	7 50	.....	Auratum Virginale Alba, exquisitely beautiful; large flowers of the purest white, with a narrow band of yellow through center of each petal.....	50	5 00	30 00
				Auratum Platyphyllum, a remarkably large Lily of great vigor.....	35	4 00	.....

European Grown Lilies.

	per doz.	per 100.		per doz.	per 100.
Brownii, an extremely handsome hardy Lily with large trumpet-shaped flowers, like those of Longiflorum or the Bermuda Easter Lily, pure white inside, but the outer part of the petals is a beautiful purplish brown. This is a very choice Lily, but good bulbs of it are scarce. I have succeeded in finding a fine stock of extra fine bulbs in Europe which are very superior to the Japanese stock. This Lily should be grown in every garden. 30c each.....	\$3 25	\$25 00	Thunbergianum Van Houttii, very large scarlet purple, very fine.....	\$1 25	\$6 75
Excelsum, is another choice, but scarce Lily; the stately form, beauty of color and delightful fragrance of this variety has made it a favorite wherever grown. It grows 4 to 6 feet high, and produces 6 to 12 flowers of delicate light buff color, blooming in June and July. 30 cents each.....	3 25	25 00	“ “ in fine mixtures.....	75	4 00
			Tigrinum Simplex, the well-known single Tiger Lily. Of the easiest culture and worthy of general planting on account of stately habit and fine effect in the landscape.....	50	3 50
			“ Flore Pleno, the double Tiger Lily. The only double Lily worth growing.....	70	4 50
			“ Splendens, improved single Tiger Lily.....	60	4 00
			Candidum, (Madonna or Annunciation Lily), this is the old fashioned garden Lily, and one of the most beautiful. It should never be planted later than September 15th, as it makes a Fall growth.....	1 00	6 50

FALL PLANTING OF LILIES.—Continued.

Native and American Grown Lilies.

October Delivery.

	per doz.	per 100.		per doz.	per 100.
Superbum. In a collection of best plants of all countries, our native Superbum Lily would deserve a first place. In deep, rich soil it often grows eight feet high, with twenty to thirty flowers. It is of the easiest culture, and may be grown as a wild flower in any swampy or rough part of a place where the grass is not mown. I have seen it growing by the thousands in swamps and meadows, but it well repays the highest garden culture. Extra selected bulbs.....	\$ 1 25	\$ 6 00	Canadense rubrum , red flowers.....	\$ 1 00	\$ 7 00
Superbum , first size.....	1 00	5 00	“ mixed.....	75	6 00
Canadense flavum , our dainty, beautiful native Lily, graceful and charming, yellow flowers.....	1 00	7 00	Philadelphicum , native Lily, orange red with black spots....	1 00	7 00
			Wallacei , very free flowering, hardy and showy, each bulb sends up many stems, which bear several lovely vermilion orange flowers.....	1 00	6 00
			Tenuifolium , a beautiful graceful Lily, with crimson reflexed flowers. One of the choicest Lilies, but dies out in a year or two, but can be renewed from seed; blooms in June.....	2 50	17 00

The Royal Collection of Japan Irises.

AT REDUCED PRICES.

Three years ago, a set of Japanese Irises (*Iris Kämpferii*) were sent to me from Japan to test, which were said to be identical with the collection in the Royal Gardens. I cannot vouch for this statement, as I have never been in Japan, but I have never seen another collection in America or Europe that would equal it in any way. The collection contained many colors and varieties I had never seen before, and the flowers were all of remarkable size and beauty. When these Irises were in bloom they excited the greatest admiration and enthusiasm, and it was hard to convince people that these unique and exquisitely beautiful flowers were as hardy as apple trees, and as easily grown as potatoes. They will thrive in any good garden soil, but if the soil is made very rich and deep and flooded with water for a month before and during their blooming season, they will produce flowers of wonderful size, some of them ten to twelve inches across. These Irises should be planted in full exposure to the sun. I am importing a considerable quantity of this superb collection from Japan, and until the stock is exhausted, will furnish them at the low prices quoted below.

Prices for good strong plants, set of 12 varieties, \$3.50; set of 25 varieties, \$6.50; set of 50 varieties, \$12.00; set of 100 varieties, \$20.00.

American grown Japanese Irises in 30 named varieties, \$1.75 per dozen, \$10.00 per 100.
 “ “ “ “ “ Fine mixed, \$1.25 per dozen, \$6.00 per 100, \$50.00 per 1,000.

Japanese Irises will be shipped from a station near Pittsburg.

Lilium Harrissi.

True Bermuda Easter Lilies.

It is impossible to obtain Bermuda Lily Bulbs that are entirely free from disease. I get the best Bulbs obtainable, but cannot guarantee Results.

This Lily is now so well known that it needs no description. It is undoubtedly one of the most popular flowers ever used for forcing. The bulbs I supply are of the highest quality obtainable, and are perfectly true, and not mixed with *Lilium Longiflorum*. It cannot be grown out-doors unless extremely well protected in Winter. If a

lily of this character is desired for out-door planting, *Longiflorum* should be used.

	per doz.	per 100.	per 1000.
Bulbs 5 to 7 inches in circumference.....	\$1 00	\$ 6 00	\$ 50 00
“ 7 to 9 “ “ “	2 25	15 00	105 00
“ 9 to 11 “ “ “	4 00	26 00	180 00

Roman Hyacinths.

	per doz.	per 100.	per 1000.
White Romans , small, 11-12.....	\$ 35	\$ 2 50	\$16 00
“ “ selected, 12-15	45	3 00	23 00
“ “ extra selected, 13-15.....	60	3 50	30 00
Pink “	45	2 75	19 00
Blue “	45	3 00	20 00

LILIUM CANDIDUM.

Owing to the Lily disease Candidum Lilies are very scarce and delivery uncertain.

	per doz.	per 100.	per 1000.
Selected French bulbs, field grown.....	\$1 00	\$ 6 50	\$45 00
Dutch bulbs, garden grown,	1 25	8 00	.....

Lily of the Valley.

(Ready in November.)

Per 100.....	\$ 1 70
Per 1,000.....	11 75
Per 2,500.....	26 00

These pips are excellent for establishing plantations outdoors as well as for forcing. Extra large pips can be supplied at prices 25 per cent. higher than the above.

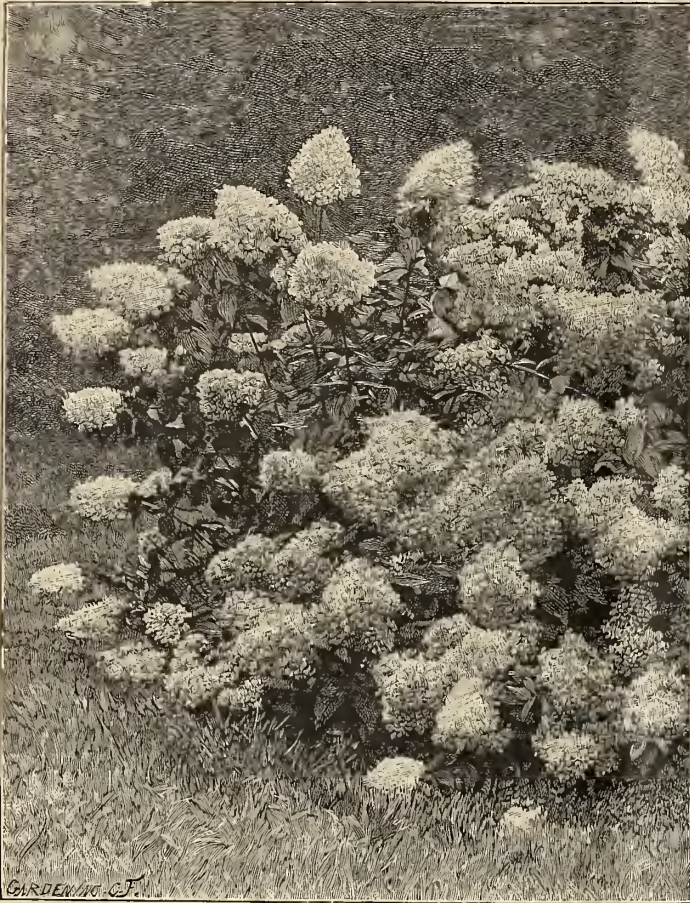
FREESIA REFRACTA ALBA.

This charming flower is one of the most satisfactory bulbs that can be forced. It is certain to flower either in the conservatory or house.

	per doz.	per 100.	per 1000.
Large bulbs.....	\$ 25	\$ 1 25	\$ 7 00
Mammoth bulbs.....	35	2 00	15 00

Low Prices for Hydrangeas.

SHIPPED FROM STATION NEAR PITTSBURG.



GROUP OF HARDY HYDRANGEAS ON LAWN.—From the English Flower Garden.

Prices good until stock is exhausted. Fall or Spring delivery.

No more popular plant or shrub has ever been sent out than *Hydrangea Paniculata Grandiflora*, and I take great pleasure in offering my customers a large stock of splendid vigorous plants at such extremely low prices that it will enable them to plant this effective shrub in quantity.

People who have only seen this *Hydrangea* grown singly as specimens have no conception of how beautiful and effective they are when planted in masses. They are planted in this way at Newport, R. I., which is famous for its fine gardens, and almost as famous for its *Hydrangeas*. These *Hydrangeas* can be planted in connection with other shrubbery or in isolated beds, in the same manner as *Cannas*, *Caladiums* or other strong growing bedding plants. They are perfectly hardy, and once planted they are a permanent addition to the lawn or garden. When grown in beds or groups they should be planted about two feet apart in very rich soil, which should be liberally enriched annually with rotten stable manure, and in the early Spring, before they commence to grow, cut back so as to leave only two or three inches of the new growth of the previous season, and if extremely large flowers are desired, cut out some of the weakest shoots after growth has commenced. Treated in this manner, they will produce enormous panicles of flowers, and the beds will be a solid mass of bloom. They bloom profusely the same season planted. Try them. You will find them more than satisfactory.

	per 25	per 50	per 100.
<i>Hydrangea Paniculata Grandiflora</i> , 12 to 18 inches.....	\$2 50	\$4 00	\$ 6 00
<i>Hydrangea Paniculata Grandiflora</i> , 24 to 30 inches.....	3 50	6 00	11 00
<i>Hydrangea Paniculata Grandiflora</i> , extra large and bushy.....	5 00	8 50	16 00

All of the above will bloom the first year, and are superior to the stock commonly retailed at 25 cents to \$1 00 each.

It is suggested that when smaller quantities are wanted two or three club together in ordering.

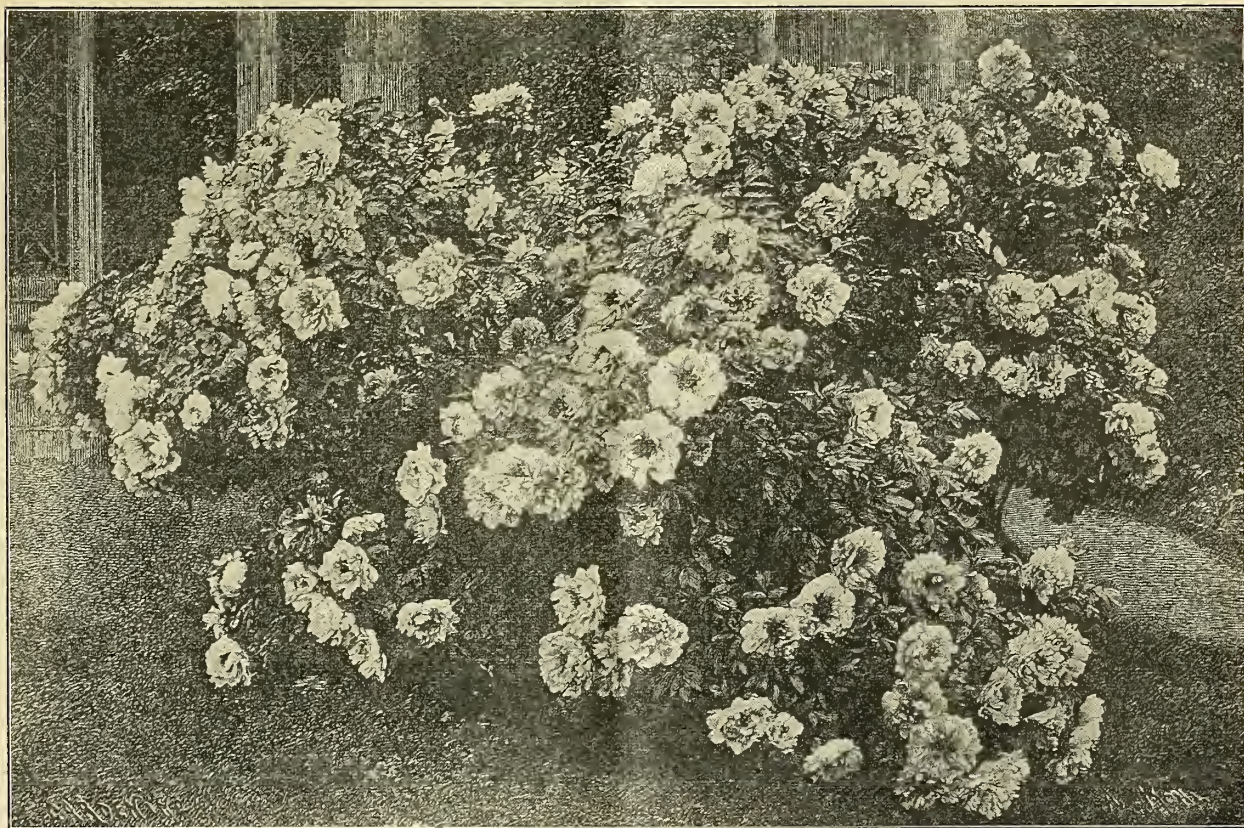
For prices on smaller quantities see list of Hardy Shrubs.

Gardening Books and Papers.

I am sorry to say it, but there is at present no gardening paper published in America worthy of consideration. For a few years we had an excellent paper, well suited to the needs of our country. Its editor was able and enthusiastic, and had the business management been as intelligent as the editorial, the success of the paper would have been unqualified, but the editor was allowed to resign and the paper dropped into the uninteresting rut occupied by its contemporaries. This is preliminary to recommending the English paper, *The Garden*, which is beyond question the best gardening paper published in the world. It is a weekly, well edited, well printed and freely illustrated with pictures made in the best gardens in England. Each number also contains a fine colored plate of flowers, of some fine tree, shrub, plant or bulb, so that it is really a cheap paper at \$4.50 per year. I will be glad to forward subscriptions to the London office for my customers.

Another English paper that gives me a great deal of pleasure is *Country Life*. It is a 32-page weekly exclusive of advertisements, and is the best printed and illustrated paper I have ever seen. It treats of all pursuits and sports of country life, but is especially interesting on account of its illustrated descriptions of English country places, one of which it publishes each week showing house, gardens and lawns. My attention was called to this paper recently by one of my clients and I was so well pleased with it that I bought all the back numbers as well as subscribing. The price for American subscriptions is \$9.00 per year. I will forward subscriptions if desired.

The best book on gardening ever published and worth more than all other books on gardening and landscape gardening is Wm. Robinson's *The English Flower Garden*, now in its seventh edition. Whatever success I have made as a landscape gardener I owe to the inspiration of this book. It not only teaches good gardening, but what is quite as important, condemns bad, giving reasons that are convincing for both. This book has done more to improve the gardening in England than all other influences combined, and I wish it were in my power to secure its reading by all thoughtful intelligent people in this country. The book is very comprehensive, treating of the arrangement of various styles of gardens, and contains descriptions of almost every tree, shrub, plant and bulb of value used in ornamental gardening. It is profusely illustrated by the best English artists with pictures made in hundreds of English gardens. The price is \$6.00. It may be ordered from any bookseller, or I will forward it on receipt of the price.



OLD SPECIMEN PLANT OF TREE PÆONY.—From the English Flower Garden.

Japanese Tree Pæonies.

Last Spring I was invited by one of my customers to see a collection of fifty Japanese Tree Pæonies in bloom that I had imported for him from Japan two years before, and if I could write a description that would give any idea of their beauty the Japanese growers would not be able to supply one-tenth of the demand for plants. I don't wonder that the Japs have a special holiday for visiting the Pæony gardens, but I do wonder that we Americans who boast of our education and refinement should be content with the poor and commonplace bedding plants usually seen in our gardens when such superb floral creations as Japanese Tree Pæonies are to be had at a small cost. I have said this before, but the truth is so important to the lover of a garden, and is so little known or heeded, that I must keep on repeating it. The first cost of a fine hardy plant like the Tree Pæony is its only cost and it increases in size and beauty year after year so that a plant that may have only cost fifty cents when purchased may become one in a few years that one would hesitate to accept twenty-five dollars for. Such a plant is the Tree Pæony. I have seen one that had sixty-six open flowers on it at one time, and read a description of another that had over five hundred blooms in one season. Now when it is considered that the blooms range from eight to twelve inches across, and are of the richest and most lovely shades of coloring imaginable it can be understood what a floral wonder a Japanese Tree Pæony may grow into. But one does not need to wait years for enjoyment of these flowers—a majority of these plants will bloom the first season planted, and in the second season will produce from two to five flowers each. The flowers range in color from pure white to the darkest shade of purple including all shades of scarlet, crimson, pink, some in solid colors, some curiously striped or marked. The shades of pink are the softest and most lovely imaginable.

These Tree Pæonies must not be confused with common herbaceous Pæonies which are so popular; instead of dying to the ground every year they make a hard wooded growth and in time become quite large shrubs.

"The Tree Pæony is one of the noblest plants available for the garden; it is quite hardy and flourishes under the simplest treatment. The smallest shrub will flower in the most astonishing manner, bearing blossoms the size of dinner plates, and the plant increases annually in size until one plant becomes a veritable bank of living flowers. The Tree Pæony is valuable for isolation on lawns, and for borders, and in nooks backed by Conifers or other shrubs. Any soil suits it and any position. It will repay those who afford it good treatment in the form of well trenched soil and well-rotted manure, and occasional top dressings; but it should remain undisturbed as much as possible and allowed to mature its shoots, which year by year add to the size of the plant until it becomes the grandest object in the garden. Watering well before and during flowering greatly assists in the production of large shapely blooms, and where mild weather in the Spring has brought on very early buds, protection of some kind should be given from late frosts. The plant is absolutely hardy, but where it has been induced by a mild Winter to put forth early flowers, the buds get an occasional 'nip.' Flowering season: May and early in June."

I have a set of Japanese water color drawings of these Pæonies, which will be sent for examination on receipt of twenty-five cents to cover postage. These drawings must be returned, but if Pæonies are ordered the amount sent for postage will be allowed on the price of the Pæonies.

PRICE.—Fine Blooming Plants in 50 choice varieties.....	each.	per doz.	per 100.
	\$ 75	\$ 7 50	\$60 00
Extra Selected Blooming Plants in 50 choice varieties.....	1 25	12 00	85 00

A limited number of large specimen plants at \$4.00, \$5.00, \$6.00 and \$7.00 each, according to size.

Herbaceous Pæonies.

I am glad this good old-fashioned flower is becoming popular again and if there were nothing to be obtained but the few old-fashioned sorts once seen in every garden their popularity would be well deserved, but nothing has been improved more than the Pæony, and the English and the Japanese growers have given us varieties that are really superb. Many of them are equal in form and coloring to the finest roses, and some are sweet scented. Their hardiness, ease of culture and the great size and plentifulness of bloom make them extremely desirable and effective in the garden or on the lawn. They are most effective when planted in large masses of separate colors. I have made arrangements for supplying my customers with the best Pæonies obtainable in America, Europe and Japan and at the lowest prices consistent with the highest quality. Messrs. Kelway & Son's complete catalogue of Pæonies will be sent for examination on receipt of twenty-five cents to cover postage. This firm are the most successful growers of Pæonies in the world.

JAPANESE PÆONIES.

	per doz.	per 100.
Double and Semi-Double Japanese Pæonies , in 25 varieties. These are really very choice and distinct from varieties grown in this country, and will give the greatest satisfaction. At the price nothing so fine can be obtained; each 60 cents.....	\$ 6 00	\$45 00
Single Japanese Pæonies , in 25 varieties. The finest Single Pæonies undoubtedly come from Japan. They are equal or superior to single sorts coming from Europe, costing three times as much; each 70 cents.....	7 50	55 00

AMERICAN-GROWN PÆONIES.

	per doz.	per 100.
Double Mixed , containing a really good assortment of varieties but no whites.....	\$ 2 00	\$12 00
Double Mixed White . Five or six varieties of white and blush sorts, but does not include the best whites.....	2 50	15 00
Humei Rosea , a splendid old sort, with deep rose flowers, one of the latest to bloom; each 25 cents.....	2 50	14 00
Festiva Maxima , a superb old white variety, one of the best.....	40	\$4 00
Chinensis Alba , a good old white variety.....	30	3 00
Glorie of Erfurt , fine large white flowers.....	40	4 00
Old Double Crimson . This fine old Pæony is very effective when planted in masses; one of the earliest to bloom; per 100, \$20.00.....	35	3 50
Lady Leonora Bramwell , (Kelway). This is a splendid sweet scented variety, silvery rose in color, that has been awarded a first-class certificate by the Royal Horticultural Society of London.....	50	5 00
Empress Augusta , outer petals dark rose, center light rose tipped with silver, very fragrant.....	50	5 00
Perfection , very tall, vigorous plant, bearing heavy crops of large, exceedingly double flowers, often raised at the center; light pink fading to flesh; very sweet, the best of its color.....	60	6 00
Rubra Superba , dark crimson red, very double and finely formed; fragrant. Plant robust and very free flowering. One of the latest.....	60	6 00
Tennifolia flore pleno , deeply cut fringe-like foliage, flowers bright scarlet crimson, rare and fine.....	75	7 50
Variegata , pink and salmon variegation, semi-double, sweet.....	35	3 00
Whitley , white, large and sweet.....	35	3 50
Camille Callot , light rose, changing to white, large and fine.....	40	4 00
Clarissa , rose pink, very handsome.....	35	3 00
Compte de Manteuil , dark rose, very large, very double.....	40	4 00
Dortens Coros , bright pink, a remarkably fresh and pretty shade.....	35	3 50

	each.	per doz.
Glorie de Danal , deep crimson, with purplish tinge...\$	50	\$5 00
Emperor William , rosy purple with yellow stamens beautifully formed. One of the best of the dark varieties.....	40	4 00
Count Von Moltke , outer petals crimson rose, inner copper lightly shaded toward margin. Very large and fragrant.....	50	5 00
German Hero , outer petals large pure white, inner petals considerable smaller white on canary yellow ground; flowers of the largest size.....	40	4 00
Wacht am Rhein , brilliant purple shaded violet. Quite fragrant.....	30	3 00
Furst Bismarck , brilliant blood red flowers, globular and fragrant, a striking variety.....	50	5 00
Edelkonig , pure light crimson, margin of petals silvery.....	35	3 50
Lord Bryon , outer petals very large, clear crimson, inner petals small, milk white. Flowers are of an enormous size.....	50	5 00
Belle Alliance , pure tender rose, very double and a free bloomer.....	35	3 50
Rose Brilliant , a fine standard sort, flowers bright clear pink.....	30	3 00
Amabilis Grandiflora , white, very large, fringed petals, fine, very sweet.....	50	5 00
Amabilis Speciosa , rose fading to pink, large, very double, sweet.....	50	5 00
Baron J. Rothschild , outside petals rose, center salmon, sweet.....	35	3 50
Dutchess de Nemours , rose pink, very large, double, sweet, one of the best.....	75	7 50
Francis Ortegat , dark purple crimson, very large, fine, double and sweet.....	1 00	10 00
Fragrantissima , violet and rose color, very sweet.....	40	4 00
Reine Hortense , pink, large, full, globular, fragrant..	35	3 00
Grandiflora , bright flesh or pink, fragrant; a vigorous plant, with well formed double flowers.....	60	6 00
Dorchester , beautiful cream color, tinted pink; very double, finely formed and deliciously fragrant. Plant rather dwarf, but very floriferous.....	60	6 00
La Sublime , rich glowing crimson, full and shapely... 75	7 50	
Louis Van Houtte , red, very double and fine.....	50	5 00
Marie , pure white, shaded with chamois.....	35	3 50
Marie Dhour , bright rose, carmine stripes in center of petals.....	60	5 50
M. Bural , light pink with lavender shade.....	50	5 00
Nobilissima , lilac pink, shaded darker.....	35	3 00
Phryne , pinkish white, center yellow, tinged carmine	75	7 50
Rosea Elegans , bright rose color.....	30	3 00
Rosea Superba , crimson rose, exceedingly large and double, high center.....	35	3 50
Rubra Triumphans , dark purplish crimson, petals very large, sweet.....	50	5 00
Kelway's Pæonies , in 25 varieties.....	1 25	12 00

Guarantees.

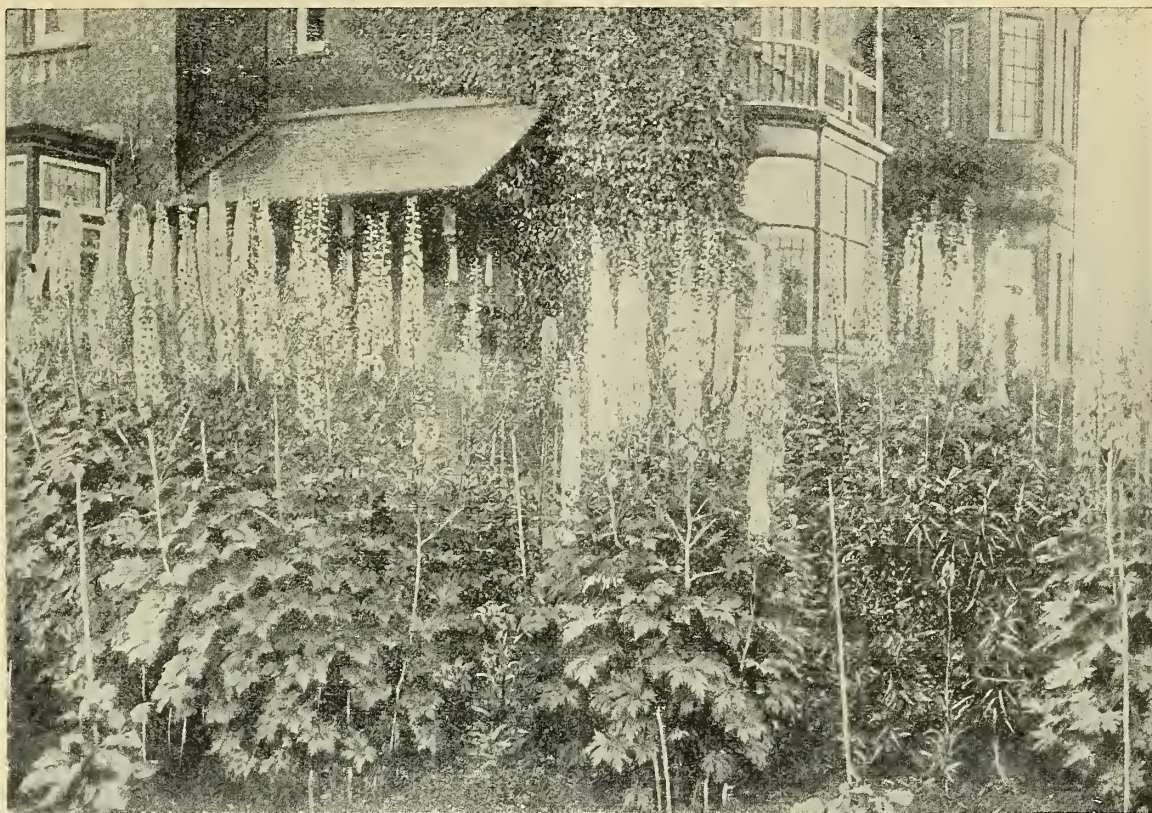
I guarantee all nursery stock furnished by me to be first-class, true to name and delivered in good condition when shipped by express. Stock is shipped by freight at purchaser's risk unless otherwise agreed upon.

I DO NOT GUARANTEE STOCK TO GROW OR RESULTS IN ANY WAY. NO COMPLAINT WILL BE ENTERTAINED THAT IS NOT MADE IMMEDIATELY UPON RECEIPT OF STOCK.

There are so many causes for failure over which I have no control, that I can assume no responsibility after stock is delivered in good order. Poor soil, unfavorable weather, ignorant or careless culture all contribute to failure and all are beyond my control.

Grass Seed for Lawns.

I can supply the very best quality of Mixed Lawn Grass Seed for \$2.50 per bushel. This is exactly the same quality of seed as that usually sold for \$5.00 per bushel as Central Park mixture, or under some other fancy name. Grass seed weighs only 14 pounds per bushel, and can be shipped inexpensively by express (shipped from Cincinnati.) I do not supply less than one bushel. Special prices quoted for large quantities. Grass seed is sold by weight, 14 pounds for a bushel, but 14 pounds of clean grass seed will not fill a bushel.



TALL ENGLISH DELPHINIUMS.—From Photograph.

TALL ENGLISH DELPHINIUMS.

I am tempted to say that the Improved English Delphiniums are the most beautiful hardy plants in cultivation, but I am also tempted to say this of a score of other things, and, of course, it is impossible to say which is the most beautiful of hardy plants, for they have such an immense variety of beauty that the wonder grows that people continue to plant bedding plants by the million which have little or no beauty, are an annual expense, and cost quite as much as hardy plants whose first cost is their only cost and which increase in size, in beauty and often in quantity year after year. These Delphiniums may not be the most beautiful hardy plants, but they are among the most beautiful, and nothing can be more distinct and satisfactory. They are stately and picturesque, some varieties growing eight feet high in rich soil, they have immense spikes of most beautiful flowers of every imaginable shade of blue and their season is a long one; in fact, they will bloom from Spring till Fall if properly treated.

Hitherto it has been impossible to get satisfactory varieties and plants of English Delphiniums; in fact, no nursery in this country has had a satisfactory general stock of hardy plants, and I have had the greatest difficulty in getting the plants specified for my landscape gardening work, as this class of plants is extremely difficult to import. The difficulty became so great and my work was so hampered by the lack of plants to carry it out that I persuaded one of my most capable horticulturists in this country to start a hardy plant nursery and guaranteed the financial results. It is the intention to make this nursery a model of its kind and grow everything in hardy plants worthy of culture and to send out nothing but well grown plants packed in the most careful manner. The Delphiniums described on next page are one of the offerings of this nursery (The Springdale Nursery.)

CULTURE OF DELPHINIUMS.

The culture of Delphiniums is exceedingly simple, and the results out of all proportion to the slight amount of care necessary. They thrive in almost any position, and may be planted at any time of the year, provided that in Summer the plants are not too forward, and that they be well watered if the weather be dry; the soil may be a rich friable loam, which suits them finely, but any soil, even hot and sandy, if well watered and manured, will give excellent results. Dig deeply—trenching is better—add plenty of well-rotted manure, and plant about 2½ feet apart. Placed in lines, as a background to a border, or in groups of say three plants at intervals, the effect of the Delphinium is exceedingly fine. They look well in beds also, arranged at the same distance apart each way. They are grand grown in masses of large groups of separate colors, and may be associated with shrubs with great advantage, succeeding by their robustness well in shrubberies. A succession of flowers may be expected from Spring to early Autumn, especially if the spikes which have done flowering early be cut down to the ground; fresh growth will then be produced, which will give blossom. Copious watering in Summer will be attended by increased size of spike and flower; in fact, in seasons of prolonged drouth water is absolutely a necessity on many soils if the varieties are to exhibit themselves in their true size and beauty of flower and spike. Top dressing is greatly recommended on certain soils, instead of the bare surface of the ground being left exposed to the sun. Some of the neater dwarf alpine and other hardy plants may be utilized to plant between and around Delphiniums. Coal ashes strewn over the crowns will protect the plants from slugs through Winter and Spring. As we have intimated, any garden soil suits the Delphiniums; it is, however, necessary to secure sorts such as are offered below, in order to obtain an effect superior to that afforded by the old smaller-flowered varieties. No amount of liberal treatment will cause the smaller flowered kinds of a few years back to develop into the gorgeous hybrids of to-day.

DELPHINIUMS.—Continued.

“The Delphiniums were the first thing that attracted my attention, for they were just at their best and there were just about one acre of them. They made such a sight as I shall not soon forget, so vast was the quantity in bloom, so grand the spikes, and so rich and varied the different shades of blue. Although I have been a grower of these lovely hardy border plants for some twenty years, I was not prepared to see so much improvement in color, and was much struck with the intensity of the shade in many varieties as compared with the old Bella Donna. The varieties which have a shade of bronze in the center are also very fine, the contrast between the bronze center and the deep blue exterior being very striking. But the shades of color in many of the newer sorts almost baffle description, and I shall not attempt it. It is in the doubles and semi-doubles that the greatest advancement has been made, and many of them are truly lovely. They are much larger and more compact than the old doubles of the Ranunculoides type, and consequently are much more valuable for ordinary garden adornment. The light blue flowers with the large white eyes are very striking, and of this section Britannia is, I think, the very best Delphinium I ever saw. . . . The Delphiniums do not receive any special treatment here, being simply planted on a strong loamy soil in an open position. Some few were tied to stakes, but the majority do not require it, being so dwarf in comparison with the old sorts. This dwarfness of habit is a great gain, and the greater portion of the plants were not more than four to five feet high, yet carrying immense spikes of large bloom.”—*The Gardening World*.

SPECIAL OFFER OF IMPROVED ENGLISH DELPHINIUMS.

I want every one who receives this price list to try these improved English Delphiniums, and to that end offer them at extremely low prices. I guarantee that they will give unqualified satisfaction in every instance and will be a revelation of beauty to most people.

	per doz.	per 100.
Fine Mixed English Delphiniums , grown from seed of Kelway's famous named sorts.....	\$1 50	\$10 00
English Delphiniums , in separate colors, grown from Kelway's newest named sorts.....	2 00	12 00
Selected Varieties , selected from thousands of seedlings, grown from Kelway's choicest named sorts..	3 00	20 00

Some Notable Hardy Plants.

Elsewhere will be found a very complete list of hardy plants, but the following varieties are especially desirable, and I am in position to furnish them in quantity at specially low terms.

POLYANTHUS OR COWSLIP.

This charming Spring blooming plant belongs to the Primrose family, the hardy varieties of which are so very popular in England, but are rarely seen in this country, owing partly to an impression that they cannot be grown in this climate. This is a mistake, as they do very well here. For the front of borders and shrubbery, for Spring bedding, and for naturalizing in moist and partially shaded places, nothing can be finer. The coloring in the flowers is especially rich and fine.

At this writing, I have a long border of these plants in bloom in my garden, and nothing gives me greater pleasure. They are so charming in habit, rich and varied in coloring, and so early to bloom, coming with the Spring flowering bulbs, that nothing can be more acceptable. I use them freely for decorating the dining table and library windows, taking plants up from the border and putting them in fern dishes and pots, where they go on blooming as if they had never been disturbed. Their hardiness has been pretty well settled by the severe winter of 1898 and 1899. The minimum temperature at my country place was twenty-four degrees below zero. Not a single Polyanthus was injured, and they were planted in wet soil at that. Price, 15 cents each ; \$1.00 per dozen ; \$6.00 per 100.



CHRYSANTHEMUM LATIFOLIUM.

CHRYSANTHEMUM LATIFOLIUM.

I have at last succeeded in getting a stock of the true variety of this most beautiful of all the single Daisies. It is one of the most satisfactory hardy plants for the garden or border, and produces its large beautiful single white flowers

in the greatest profusion. It should be included in every collection of hardy plants. 15 cents each ; \$1.50 per dozen ; \$10.00 per 100.

SOME NOTABLE HARDY PLANTS.—Continued.

FOXGLOVE (*Digitalis*).

In England the Foxglove grows wild, but notwithstanding this it is a great garden favorite, as it well deserves to be. For stately and picturesque beauty it is not to be surpassed, and planted in masses in the garden among shrubs or naturalized on the edge of woods, in the orchard or along brooks, it is extremely effective and satisfactory. Strictly speaking, it is a biennial, but as it renews itself from self-sown seed it may be treated as a perennial. Mr. Falconer has naturalized thousands of Foxgloves in Schenley Park, and nothing he has planted attracts more attention and admiration. Planted in the Fall, Foxgloves will bloom well



FOXGLOVE.—From the English Flower Garden.

the following season. I offer a fine lot of strong plants grown from the best strains obtainable in Europe; 15 cents each; \$1.25 per dozen; \$8.00 per 100.

AQUILEGIAS.

All of the single long-spurred Aquilegias or Columbines are extremely beautiful, and a collection of them should be a feature in every garden. Foremost among these choice plants is our native Aquilegias. If these and other choice hardy plants were as well known as bedding plants, the day of geraniums, coleus and other common-place plants would soon be over. The flowers of these Aquilegias are most lovely and delicate, ranging from white to crimson, including shades of blue and yellow, assorted varieties; 15 cents each; \$1.25 per dozen; \$9.00 per 100. For complete list of varieties see general list of hardy plants.

AGROSTEMMAS.

These plants are extremely desirable both on account of their beautiful silvery foliage and their charming rose-tinted, crimson or white flowers, which are fine for cutting. A splendid stock of plants; 15 cents each; \$1.25 per dozen; \$9.00 per 100.

LIATRIS PYCNOSTACHYA.

The popular name of this striking plant is Kansas Gay Feather. Nothing can be planted that will attract more attention on account of a very unusual appearance, but it is very beautiful as well as odd. It blooms in mid-Summer and throws up long narrow spikes of rich purple flowers which last a long time; a peculiarity of this plant is its great attraction for butterflies; 15 cents each; \$1.50 per dozen; \$9.00 per 100.

VIOLA CORNUTA.

These plants are sometimes known as *Horned Pansies*. They are the most satisfactory of the violet family, perfectly hardy; they produce their beautiful purple or white flowers in the greatest profusion early in the Spring, sometimes in March and continue in bloom until extremely hot Summer weather comes on. The flowers are as large as small pansies and are thrown well above the foliage which is neat, compact and beautiful.

	each.	per doz.
<i>Viola Cornuta</i> , blue.....	15	\$1 50
" " Alba, white.....	20	2 00
" " "Purple Queen," pale purple.....	15	1 50

HEMEROCALLUS AURANTIACA MAJOR.

This is a new Japanese plant and is, undoubtedly, one of the best hardy plants of recent introduction. Almost everybody knows the old Yellow Day Lily which is deservedly popular. This new variety is incomparably finer. The plants are more vigorous and of finer outline, the flowers are double the size, of splendid form and great substance and a beautiful rich golden yellow in color. I have fully tested this plant in my experimental grounds and am greatly pleased with it. An importation secured direct from Japan enables me to offer it at a moderate price, 50 cents each; \$5.00 per dozen.

IMPROVED GAILLARDIAS.

I consider the Gaillardia one of the most beautiful and desirable hardy plants in cultivation, and have had a large stock of Kelway's famous strain grown for my customers. I offer these plants for less than they have ever before been sold either in this country or in Europe.

Though such an ornamental addition to the herbaceous border, the perennial Gaillardia is content with extremely simple treatment. Dig the soil deeply and enrich with well-rotted manure. We recommend the Gaillardia for bedding purposes as well as for borders; give a moderate amount of room and peg down and a grand effect is to be obtained. Everyone will have noticed how grandly Gaillardias have thriven through the recent drouths; they seem hardly to need water, but we recommend watering liberally to insure the finest flowers. The Gaillardia which Kelway & Son have been so successful in improving and popularizing, is of course, simply invaluable as a cut flower on account of its being so lasting when gathered, and so brilliant and beautiful. The gay blossoms are obtainable in perpetual profusion from June to November, and the greater the drouth and scarcity of other flowers, the more the utility of the perennial Gaillardia is demonstrated. Mr. Robinson, in the "English Flower Garden," recommended that they should be planted in bold groups, and remarks that no plants have finer effect in a bed by themselves, and we quite agree with him. Extra strong fine plants in a splendid assortment of colors. 15 cents each; \$1.25 per dozen; \$7.00 per 100.



IMPROVED GAILLARDIAS.

HIBISCUS MOSCHEUTUS.

I wish to call attention to this extremely showy and satisfactory plant. It grows wild in the Jersey swamps, but thrives in any garden soil and is equally desirable as a garden plant or naturalized along the edges of brooks and ponds, or planted among wild or cultivated shrubs. It is of the easiest culture and will thrive in almost any position. The plant grows four or five feet high, is very bushy, and in August and September is covered with immense single flowers six or eight inches across, ranging from pure white to deep rose in color.

	per doz.	per 100.
Hibiscus Moscheutus, in separate colors, white, bluish pink and deep rose; each 15 cents.....	\$ 1 50	\$10 00
Hibiscus Moscheutus, mixed colors, strong plants at a specially low price.....	1 00	5 00

PYRETHRUMS.

The Pyrethrums are so simply and easily cultivated that they may be recommended to all who possess a garden, whether small or large. They are perfectly hardy and absolutely invaluable for cut flowers through the Summer and Autumn months; the flowers are bright and elegantly born on long stems most convenient for vase decoration. In form, the double varieties are somewhat Aster or Chrysanthemum-like, and as their chief beauty is in the months of May and June they may well be designated "Spring Chrysanthemums," possessing the advantage over the Chrysanthemums of being able to withstand the severest Winter without protection. The single-flowered varieties are veritable "Colored Marguerites" and possess a range of color and hardiness that Marguerites might envy in vain. Nothing can surpass the Pyrethrum for profusion of flower in the season; flowers succeed flowers without stint, and the blossoms are not injured by storm or sun. Their position should be the border or in beds. The plants may, with advantage, be cut down after June, which will keep up a greater succession of bloom through the Autumn. Pyrethrums grow freely in any ordinary garden soil; a good rich loam suits them perhaps best and in order to secure size, brilliancy, and number of flowers, plenty of ordinary well-rotted manure may be added to well-trenched, well-drained soil, and plenty of water may be given when they are in bud in the dry

(Continued on next page.)



TUFTED PANSIES OR BEDDING VIOLAS.

PYRETHRUMS.—Continued.

Summer weather. A mulching may be applied in dry localities with advantage. The older varieties have been greatly improved upon during the past 10 or 15 years, which is the period during which Kelway & Son have made them a specialty, and the refined shape and brilliant or soft shades of the newer sorts have caused the Pyrethrum to become deservedly popular. I offer a splendid lot of plants of the choicest single varieties, grown from Kelway's famous strains, 20 cents each; \$1.75 per dozen; \$10.00 per 100.

PENSTEMON TORREYI.

This very fine hardy plant is but little known, but is one of the really good things that should be in every garden. The plant grows from four to six feet high, and is covered with its showy crimson flowers all through the Summer. 15 cents each; \$1.25 per dozen; \$8.00 per 100.



AQUILEGIAS.

HOLLYHOCKS.

Have you ever noticed that painters choose single Hollyhocks as subjects for floral painting oftener than any other flower. I suppose the reason for this is that artists have a keener appreciation of beauty than other people and recognize that the common, and I fear sometimes despised single Hollyhock, is one of the most stately, picturesque and beautiful plants in the world. Nothing can be more effective than a large group or mass of single Hollyhocks, and once planted they will literally take care of themselves, even if planted in the grass. I know of patches that have not been cultivated or disturbed in any way for 20 years. Notwithstanding their great beauty and usefulness single Hollyhocks are not offered for sale by any nurseryman in America and the seed is not to be had from any seedsman. I am determined to have single Hollyhocks for my landscape gardening-work, so I collected seed from old-fashioned (they will soon be new-fashioned) gardens and had thousands of plants grown for my customers. Some people think double Hollyhocks are more beautiful than single. They are mistaken, although the doubles are beautiful, but inclined to be top heavy, often need staking and liable to disease. Hollyhocks planted in the Fall will bloom well the following Summer.

SPECIAL OFFER OF HOLLYHOCKS.

	per doz.	per 100.
Hollyhocks, best large flowered, single, all colors mixed.....	\$ 1 25	\$ 7 00
“ best double, all colors mixed.....	1 50	10 00
“ best double grown, Chater's famous strain in separate colors, white, sulphur, yellow, scarlet, rose, salmon rose, golden yellow, crimson, dark crimson, cherry red and peach.....	1 75	12 00
“ New Allegheny, immense semi-double flowers with fringed edges, very beautiful.....	2 00	.....
“ New Single Japanese, dark red, white edge, said to be very fine, each 25 cts.....	3 00	.....

ORIENTAL POPPIES.

I remember very well the first time I saw an Oriental Poppy. I was a boy then and it excited me wonderfully, and I thought it the most remarkable flower in the world, and now after twenty-five years have gone by and I have seen almost all the known flowers of the world I am still of the opinion that it is mighty fine, striking and effective, and I have taken the trouble to gather up and have grown a collection of all the varieties.

	per doz.	per 100.
Papaver Orientale, the type, immense orange-red flowers, 8 to 12 inches in diameter.....	\$ 1 50	\$ 8 00
Papaver Orientale, Salmon Perfection (new), large, handsome, rich glowing salmon-red flowers, with black blotch at base of petals; very beautiful, height 3 feet, 40 cents each.....	4 00	.....
Papaver Orientale, Fire King (new), large fiery scarlet flowers, with glittering black center, very handsome, height 2½ feet, 50 cents each.....	5 00	.....
Papaver Orientale, Pink Beauty, large delicate flesh-pink flowers, with dark blotch at base of each petal, a very distinct color, height 3 feet, 35 cents each.....	3 50	.....

	per doz.	per 100.
Papaver Orientale, Lilliput, flowers, small, numerous and self-colored, bright orange-scarlet, 30 cents each.....	\$ 3 00	.....
Papaver Orientale, Salmon Queen, large handsome soft salmon-scarlet flowers, 35 cents each.....	3 50	.....
Papaver Orientale, Royal Prince, very large, brilliant scarlet flowers, 40 cents each.....	4 00	.....
Papaver Orientale, Duke of Teck, large brilliant scarlet flowers, very handsome, 40 cents each.....	4 00	.....
Papaver Orientale, mixed Hybrids.....	1 50	\$ 8 00



CREEPING PHLOXES.—From Country Life.

PLATYCODON MARIESI.

A valuable dwarf variety, bearing blue bell-shaped flowers, nearly three inches across, for a long season in late Summer and early Autumn. One of the finest of border plants. The unopened buds are nearly as beautiful as the flowers themselves, and are particularly interesting in their peculiar shape. 15 cents each ; \$1.50 per dozen ; \$10.00 per 100.

PHLOX DIVARICATA CANADENSIS.

One of our native varieties that is but rarely met with, and which has been introduced in Europe the past few years as a novelty. A plant that is certain to meet with much favor when better known, as nothing can produce such a cheerful corner in the garden in the very early Spring, frequently beginning to bloom early in April, it continues until about the middle of June, with large bright lilac-colored flowers, which are produced on stems about 10 inches high, in large showy heads, and are very fragrant. 10 cents each ; \$1.00 per dozen ; \$6.00 per 100.

HELIOPSIS PITCHERIANUS.

A desirably herdy herbaceous plant, growing from 2 to 3 feet high, and a perpetual bloomer, beginning to flower early in the season, and continuing in bloom the entire Summer. The flowers are of a beautiful deep golden-yellow color, about two inches in diameter, of very thick texture, and are very graceful for cutting. 15 cents each ; \$1.25 per dozen ; \$8.00 per 100.

BLACKBERRY LILY.—*Pardanthus Sinensis.*

Lily-like flowers of a bright orange color, spotted with red, which are succeeded by seeds that resemble blackberries. Very showy and desirable. 10 cents each ; \$1.00 per dozen.

HYACINTHUS CANDICANS.

A snow-white Summer flowering Hyacinth, growing 3 to 4 feet in height, gracefully surmounted with from 20 to 30 pure white bell-shaped flowers. 5 cents each ; 50 cents per dozen ; \$3.00 per 100.

CREEPING PHLOXES.

The Creeping Phloxes are among the most charming of hardy plants. They cover the ground with a mat of evergreen foliage and at all times and during the month of May make the most beautiful carpet of white or pink flowers. The bloom is so dense that the foliage is entirely hidden. These Phloxes bloom again in the Fall but not so freely. They are very useful for border edging, rock work or covering bare banks.

Phlox Subulata—

	per doz.	per 100.
Pink.....	\$1 00	\$7 00
Alba , white.....	1 00	7 00
“Model,” finest of all Creeping Phloxes, bright pink.....	1 00	7 00
The Bride, white, red centre.....	1 25	8 00
Autropurpurea, deep rosy purple.....	1 00	7 00

HELIANTHUS LOETIFLORUS.

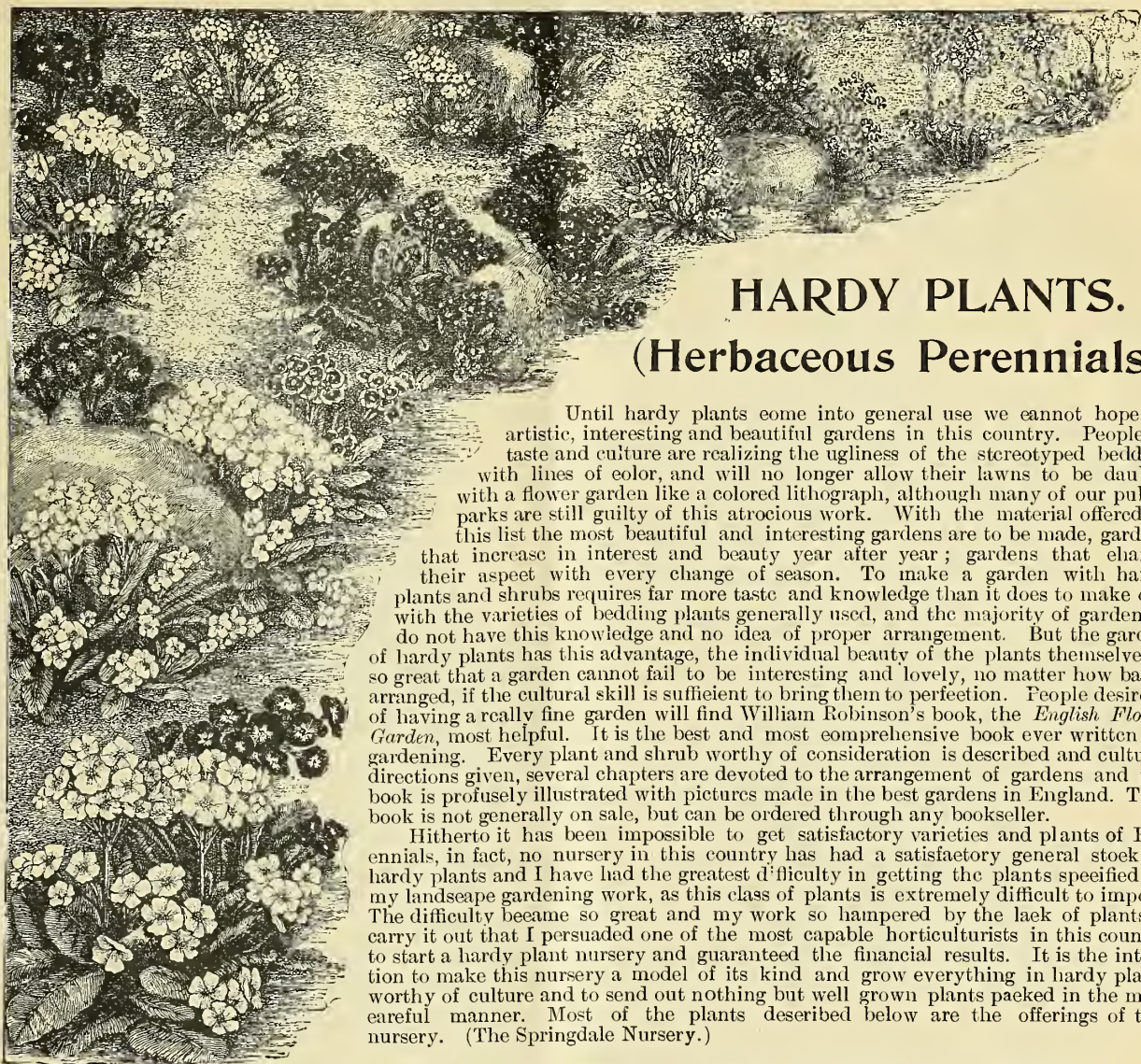
The best of the Summer blooming variety of hardy sunflowers ; flowers 3 inches in diameter and freely produced. Plant grows 3 to 4 feet high and spreads rapidly. Fine for cutting, for the border and for planting among shrubs. 15 cents each ; \$1.25 per dozen ; \$7.00 per 100.

RUDBECKIA.—“Golden Glow.”

This hardy plant of recent introduction is entitled to rank with single Hollyhocks for picturesqueness. In good soil it grows from 8 to 10 feet high, branches freely and for two months in mid-Summer is literally covered with its large bright yellow double flowers. As a garden or lawn plant it is extremely decorative, and equally so as a cut flower, and very lasting. I have used this a great deal in my landscape work, and have found a large circular group of it surrounded by the dwarfed Rudbeckia Speciosa extremely effective. 15 cents each ; \$1.25 per dozen ; \$8.00 per 100.

TUFTED PANSIES, OR BEDDING VIOLAS.

The tufted pansies are hybrids of panies and *viola cornuta*, and are quite distinct from pansies in habit and coloring, and I think, far more beautiful. The flowers are smaller, but unique in coloring, and the plants spread from the roots like a violet, making them true perennials. They are perfectly hardy, enduring the extremely cold weather of 1898-99 in an open border without protection. They are immensely popular in England and Scotland, where they are generally used for bedding and table decorations, and nothing can be more charming for either purpose. I have always admired these flowers in England, but was not certain that they would thrive in this climate, but after testing them a year in my garden I am convinced that they will do as well here as they do abroad. I have had a splendid lot of plants grown from the best collection in Scotland. They can be planted in the Summer, Fall or Spring. Price, 15 cents each ; \$1.00 per dozen ; \$6.00 per hundred.



HARDY PLANTS. (Herbaceous Perennials.)

Until hardy plants come into general use we cannot hope for artistic, interesting and beautiful gardens in this country. People of taste and culture are realizing the ugliness of the stereotyped bedding with lines of color, and will no longer allow their lawns to be daubed with a flower garden like a colored lithograph, although many of our public parks are still guilty of this atrocious work. With the material offered in this list the most beautiful and interesting gardens are to be made, gardens that increase in interest and beauty year after year; gardens that change their aspect with every change of season. To make a garden with hardy plants and shrubs requires far more taste and knowledge than it does to make one with the varieties of bedding plants generally used, and the majority of gardeners do not have this knowledge and no idea of proper arrangement. But the garden of hardy plants has this advantage, the individual beauty of the plants themselves is so great that a garden cannot fail to be interesting and lovely, no matter how badly arranged, if the cultural skill is sufficient to bring them to perfection. People desirous of having a really fine garden will find William Robinson's book, the *English Flower Garden*, most helpful. It is the best and most comprehensive book ever written on gardening. Every plant and shrub worthy of consideration is described and cultural directions given, several chapters are devoted to the arrangement of gardens and the book is profusely illustrated with pictures made in the best gardens in England. This book is not generally on sale, but can be ordered through any bookseller.

Hitherto it has been impossible to get satisfactory varieties and plants of Perennials, in fact, no nursery in this country has had a satisfactory general stock of hardy plants and I have had the greatest difficulty in getting the plants specified for my landscape gardening work, as this class of plants is extremely difficult to import. The difficulty became so great and my work so hampered by the lack of plants to carry it out that I persuaded one of the most capable horticulturists in this country to start a hardy plant nursery and guaranteed the financial results. It is the intention to make this nursery a model of its kind and grow everything in hardy plants worthy of culture and to send out nothing but well grown plants packed in the most careful manner. Most of the plants described below are the offerings of this nursery. (The Springdale Nursery.)

Special Offers of Hardy Plants in Variety.

POLYANTHUS OR COWSLIP.

(See page 10.)

The Springdale Nursery authorizes me to make the following remarkably low prices for hardy plants. They will be of the best and most desirable varieties and the plants of the best quality, but in every instance the selection of varieties is to be made by me, but if purchasers will state the things they have or don't wish these will not be included in the selection.

- OFFER No. 1 OF HARDY PLANTS.** Twenty-five first-class plants in variety for.....\$ **2.50**
OFFER No. 2 OF HARDY PLANTS. Fifty first-class plants in variety for..... **4.00**
OFFER No. 3 OF HARDY PLANTS. One hundred first-class plants in varied assortment
of best species and varieties for..... **7.00**
OFFER No. 4. Five hundred Hardy Plants, same as above, but in larger variety, for..... **30.00**
OFFER No. 5. One thousand Hardy Plants, same as above, but in much larger variety, for.. **55.00**

I have a limited number of copies of my lecture, delivered before the Massachusetts Horticultural Society, on hardy plants and shrubs, which will be sent free on request.

In the following list height and the time of blooming are indicated as follows: Figures following the letter H indicate height in feet, figures following the letter F indicate the number of the month or months the plants bloom in. This is only approximate, as height and time of flowering varies considerably with soils, climates and seasons.

PRICES quoted are for not less than half the quantities named, but single plants will be furnished at following rates: Plants at \$1.00 or less per dozen, 10 cents each; Plants at \$1.25 and \$1.50 per dozen, 15 cents each; Plants at \$1.75 and \$2.00 per dozen, 20 cents each; Plants at \$2.50 and \$3.00 per dozen, 25 cents each.

HARDY PLANTS.—Continued.

	per doz.	per 100.
<i>Aconite Napellus</i> , (Monk's Hood) beautiful but poisonous plant with blue flowers.....	\$ 2 00	.....
<i>Achillea Ptarmica</i> , Fl. Pl. One of the most useful plants, numerous and dense masses of white flowers, fine for cutting, H 1-2, F 6-10.....	1 25	\$ 6 00
“ <i>Millefolium Roseum</i> , red flowers produced in profusion for a long season; little known in this country, but very popular in England, H 1-3, F 4-10.....	1 25	8 00
“ <i>Aegyptica</i> , sulphur yellow flowers, silvery gray foliage; very neat, H 1-3, F 6-8.....	1 25	8 00
“ <i>The Pearl</i> ,” an improvement of <i>Ptarmica</i> , Fl. Pl. H 2, F 6-10.....	1 25	6 00
<i>Aethionema Grandiflora</i> , flowers in rosy racemes, H 2, F 5-8.....	1 50	.....
<i>Agrostemma Coronaria</i> , beautiful rich crimson flowers, H 1½, F 7.....	1 25	8 00
“ “ <i>Walkeri</i> , brilliant crimson, H 1, F 7.....	1 50	10 00
“ “ <i>Alba</i> , pure white.....	1 25	8 00
“ “ <i>Atrosanguinea</i> , very brilliant dark crimson... ..	1 25	8 00
“ “ <i>bi-color</i> , white and red,	1 25	8 00
“ <i>Flos Jovis</i> , extremely desirable rose tinted flowers, fine for cutting, H 1½, F 7.....	1 25	8 00
<i>Alyssum Saxatile Compactum</i> , masses of golden yellow flowers, invaluable for spring flowering, H 1, F 4.....	1 25	8 00
<i>Anthemis Tinctoria</i> , yellow, free flowering, thrives in any soil, H 1½, F 6-8.....	1 25	8 00
<i>Anemone Pennsylvanica</i> , a beautiful native Anemone, fine for naturalizing, H 1½, F 6.....	1 25	8 00
“ <i>Japonica Rosea</i> , purplish rose, H 3-5, F 9-10.....	1 50	10 00
“ <i>Japonica Alba</i> , white, H 3-5, F 9-10.....	1 50	10 00
“ <i>Whirlwind</i> , new semi-double variety, white, H 3-5, F 9-10.....	1 75	12 00
The charming white wind flower is without exception one of the most beautiful things in cultivation. It is perfectly hardy, and in a strong, rich soil will grow four to five feet high. It is a mass of beautiful white bloom from late Summer until heavy frosts. Light frosts do not injure the flowers at all. Every garden should contain a group of it, and on large places it should be planted by the hundred.		
<i>Arunda Donax</i> , splendid for making tropical like groups; will grow 16 feet high in rich soil.....	3 00	20 00
“ “ <i>Macrophylla</i> , an improved variety with broader leaves; each, 50 cents,		
“ “ <i>Variegata</i> , striking variegated foliage, H 5-8.....	2 50	15 00
<i>Aquilegia Cœrulea</i> , (<i>Rocky Mountain Columbine</i>) the most beautiful of all Columbines, and one of the most charming hardy flowers in cultivation, H 1-1½, F 4-5.....	1 75	9 00
“ <i>Cœrulea Hybrida</i> , a strain of the most exquisite coloring, producing in immense quantities, pink, yellow, blue and lavender flowers in every conceivable shade and combination, H 1½, F 4-5.....	1 50	10 00
“ <i>Cœrulea Lutea</i> , new, large, light yellow flowers, H 1-2, F 4-5.....	1 75	12 00
“ <i>Canadensis</i> , (native) red and yellow, H 1, F 5.....	1 50	10 00
“ <i>Skinneri</i> , scarlet, handsome and distinct, H 3-4, F 5.....	1 50	10 00
“ <i>Siberica</i>	1 25	8 00
“ <i>Chrysantha</i> , beautiful golden yellow flowers, blooms for two months, H 3-4, F 5-6.....	1 50	10 00
“ <i>Glandulosa</i> , splendid dwarf variety with lovely blue and white flowers.....	1 50	10 00
“ <i>Jaetschani</i> , large yellow flowers with reddish spurs.....	1 50	10 00
“ <i>Californica</i> , large orange and yellow flowers.....	1 50	10 00
“ <i>Truncata</i> , scarlet and yellow dwarf, very early.....	1 50	10 00
“ <i>Olympica</i> , large blue flowers.....	1 50	10 00
“ <i>Alpina Superba</i> , blue and white.....	1 50	10 00
“ <i>Vulgaris</i> , old-fashioned double Columbine.....	1 25	8 00
“ <i>Alleni</i> , white double flowers.....	1 25	8 00
Six choice <i>Aquilegias</i> in six varieties for 75 cents, or twelve plants in twelve varieties for \$1.50.		
<i>Aster Novæ Angliæ Rubra</i> , the best of the American Hardy Asters, very showy, H 3-4, F 9-10.....	1 50	12 00
“ <i>Amellus</i> , a splendid European hardy Aster, purple, large flowers, H 2, F 8-9.....	3 00	.....
“ <i>Bessarabicus</i> , purplish red, H 2½, F 8-9.....	3 00	.....
“ <i>Mad. Soymer</i> , bright pink, H 2, F 9-10.....	3 00	.....
“ <i>Top Sawyer</i> , clear blue, very fine, H 4-5, F 9.....	2 00	.....
“ <i>Turbinellus</i> , delicate mauve, H 2-4, F 9.....	3 00	.....
“ <i>Tartaricus</i> , large flowers and very late, H 5-6, F 9-10.....	1 50	10 00
“ <i>Lady Trevelyan</i> , large, pure white, fine for cutting, H 3-4, F 8-9.....	2 50	.....
“ <i>Ptarmicoides</i> , a dwarf, early flowering, hardy Aster, blooming in July and August. Its charming white flowers are produced in the greatest profusion. Distinct and good.....	1 50	10 00

	per doz.	per 100.
<i>Aster Trinervius</i> , white, with purple and yellow disc, H 3½, F 8-9.....	\$1 50	\$10 00
<i>Asclepias Tuberosa</i> , orange scarlet, one of the showiest and finest hardy plants grown, H 1-2, F 7-9.....	1 50	10 00
<i>Asclepias Incarnata</i> , rosy pink flowers, very desirable, H 2-3, F 7-9.....	1 50	10 00
<i>Asparagus Verticillata</i> , a striking variety of hardy Asparagus.....	1 25	.....
<i>Aubretia Violacea</i> , valuable evergreen trailer, H 1-6, 1-3, F 4-5.....	1 25	.....
<i>Baptissa Australis</i>	1 00	6 00
<i>Bellis Perennis</i> , double daisy, assorted colors, H ¼, F 4-5.....	50	2 50
<i>Bocconia Microcarpa</i>	2 00	.....
“ <i>Thunbergii</i>	2 00	.....
“ <i>Japonica</i>	3 00	.....
“ <i>Cordata</i> , large, broad, striking leaves, large plumes of white flowers; fine for sub-tropical effects, H 5-7, F 7-8.....	1 50	10 00
<i>Boltonia Latisquamæ</i> , light blue flowers, very lovely, blooms late in fall, highly recommended, H 3-4.....	1 50	10 00
<i>Campanula Turbinata</i> , large, erect flowers, fine.....	1 75	12 00
“ <i>Grandiflora Mariessii</i> , large white and purple flowers, very desirable.....	1 75	12 00
“ <i>Carpatica</i> , dwarf, light blue, H ¾, F 6.....	1 50	10 00
“ “ <i>Alba</i> , charming white variety, H ¾, F 6.....	1 25	8 00
“ <i>Macrantha</i> , large, blue flowers, one of the best.....	1 50	10 00
“ <i>Rotundifolia</i> , slender stems with deep blue flowers, charming.....	1 50	10 00
“ <i>Punctata</i> , strong, erect spikes, fine and showy, one of the best.....	1 25	8 00
“ <i>Glonerata</i> , rich deep blue flowers in dense head, extra fine and effective, H 1-2, F 5-9.....	1 25	8 00
“ <i>Pyramidalis</i> , fine white flowers, vigorous and showy, H 4-6, F 7-9.....	1 75	.....
“ <i>Nobilis</i> , <i>Alba</i> , fine foliage and flowers.....	1 50	.....
The <i>Campanula</i> (Bell flowers) genus is one of the largest and choicest. The varieties are all of elegant habit and should be represented in every garden.		
<i>Callirhoe Involucrata</i> , large crimson flowers, trailing habit, very showy.....	1 25	8 00
<i>Cassia Marilandica</i> , handsome pinnate foliage and numerous racemes of showy yellow flowers; an extremely desirable plant of the easiest culture, H 4-5, F 7-8.....	1 00	5 00
<i>Calystegia pubescens plena</i> , large pale double rose flowers, blooms in the greatest profusion. It flowers for several months, and is one of the best and showiest of hardy climbers.....	1 25	.....
<i>Centaura Babylonica</i> , showy yellow flowers, suitable for planting in shrubberies and large borders, H 6-10, F 7.....	1 50	.....
<i>Cenatura Macrocephala</i> , yellow, very fine, H 3-5, F 7.....	1 50	.....
<i>Cerastium Tomentosum</i> , very dwarf plant, covered with small white flowers, very desirable for carpeting.....	1 25	8 00
<i>Chrysanthemum</i> , hardy pomponc varieties, H 2-3, F 10-11.....	1 50	8 00
<i>Chrysanthemum</i> , hardy, large flowered varieties. These and the preceding varieties are the old-fashioned chrysanthemums that used to be in every garden. They are perfectly hardy, and make a brave show of color late in the Fall after all other flowers are gone, H 3-4, F 10-11.....	1 50	.....
<i>Chrysanthemum Maximum</i> , large, single, daisy-like flowers.....	1 25	8 00
<i>Chrysanthemum Latifolium</i> , similar to the above but much better; one of the most satisfactory of hardy plants; highly recommended, fine for cutting, H 2, F 6-9.....	1 50	10 00
<i>Cherianthus Sibericus</i> , (Wallflower), West Lodge variety.....	2 50	.....
<i>Clematis Davidiana</i> . This is an herbaceous plant, instead of a climber, and has beautiful blue flowers and handsome foliage, very desirable.....	1 75	.....
<i>Coreopsis Lanceolata</i>	1 00	6 00
“ <i>Grandiflora</i> , an improved variety with large bright yellow flowers, fine for cut flowers; one of the best hardy plants in cultivation, H 2-3, F 5-7.....	1 00	6 00
<i>Coreopsis Verticillata</i>	1 50	.....
<i>Coronilla Varia</i> , rambling sheets of beautiful pink bloom, H 1, F 5-10.....	1 25	.....
<i>Convallaria Majalis</i> , (Lily of the Valley), strong clumps.....	2 00	10 00
<i>Crambe Cordifolia</i> , one of the finest large-leaved herbaceous plants, valuable where a striking and bold effect is required; its white flowers are produced in profusion. Each, 35 cents.....	3 50	.....
<i>Crambe Pinnatifida</i> , same as above, but dwarfed. Each 40 cents.....	4 00	.....
<i>Cypripedium Spectabile</i> , the most beautiful hardy orchid, and one of the most lovely flowers in the world; does well in a shady, moist location outdoors, and forces well in the greenhouse for Easter.....	3 00	20 00
<i>Delphiniums</i> , fine mixed, tall English, H 4-8, F 6-9.....	1 25	8 00
“ <i>Fornosum</i> , a splendid old hardy plant, with dark intense blue flowers, H 4-5, F 6-7.....	1 25	8 00
<i>Dianthus Barbatus</i> , “Sweet William,” improved Auricula flowered.....	1 25	8 00

HARDY PLANTS.—Continued.

	per doz.	per 100.
Dianthus Fimbriata Alba , "White Fringe Pink," H 1-2 F 5.....	\$1 50	\$10 00
" Fimbriata Rosea , H 1-2, F 7.....	1 50	10 00
" Scoticus , Fl Pl., "Double Scotch Pink," very desirable.....	1 25	8 00
" " "Her Majesty" , a fine hardy white pink.....	1 50	10 00
" Plumarius , semperflorens, one of the most beautiful and satisfactory pinks in cultivation, continuing in bloom all season.....	1 50	10 00
" " Pheasant's Eye	1 00	6 00
" (Hardy Pink) Laura Wilmot	1 50	10 00
" " Prince Arthur	1 50	10 00
" " Juliette	1 50	10 00
" " Souvenir de Sale	1 50	10 00
Dicentra Cucullaria	35	2 00
" Spectabilis , "Bleeding Heart," H 1-2, F 4.....	1 75	12 00
" Eximea , beautiful fern-like foliage, blooms all Summer, H 3/4-1 1/2, F 4-8.....	1 75	12 00
Digitalis Purpurea , "Foxglove," H 4-7, F 7.....	1 25	8 00
" Veitches, finest spotted and improved strain of splendid large flowers.....	1 75	10 00
" Gloxinaeflora	1 50	8 00
" Maculata Superba	1 50	8 00
" Monstrosa	1 75	"
" Lanata , very curious.....	1 50	"
" Grandiflora	1 50	"
" Buxbaumii	1 50	"
Dictamnus Fraxinella , H 2, F 5-7.....	2 00	14 00
" Alba , H 2, F 7-8.....	3 00	"

The *Dictamnus* is one of the most satisfactory hardy plants in cultivation, both on account of splendid flowers and its rich durable foliage.

	per doz.	per 100.
Hemerocallis Flava , (Lemon Day-Lily), H 2-3, F 6-7.....	\$1 25	\$10 00
" Fulva , (Orange Day-Lily), H 2-3, F 6-7.....	1 25	8 00
" Flore Pleno , double.....	1 75	12 00
" Graminea , bright yellow, one of the best.....	1 50	10 00
Hemerocallis Dumortieri , H 1 1/2, F 6-7.....	1 50	10 00
" Aurantiaca Major , new and very beautiful, 50 cents each.....	5 00	"
" Thunbergi , bright yellow.....	1 50	"
Heliopsis Pitcheria , a, similar to the hardy sunflowers, but blooming during a much longer season, H 3-6, F 8-10.....	1 25	6 00
Hibiscus Moscheutos , "Crimson Eye," white, H 4-5, F 8-10.....	1 50	10 00
" " bright pink.....	1 50	10 00
Hesperis Matronalis , (Sweet Rocket), purple, H 2-3, F 6-9.....	1 00	6 00
" " white.....	1 00	6 00
Hyacinthus Candicans , showy white flowers, blooming in Summer, easiest culture.....	50	3 00
Helleborus Niger , "Christmas Rose".....	4 50	30 00
Hollyhocks , best double.....	1 50	"
" best single.....	1 25	"
Heuchera Sanguinea , very choice, graceful dwarf plant, with lovely crimson flowers, fine for cutting, H 3/4-1 1/2, F 7-9.....	1 75	12 00
" Alba , new white variety.....	1 75	"
Helenium Hoopesii , bright orange flowers, H 2-3, F 7-8.....	1 50	"
" Autumnale Superba , an improved variety of great beauty.....	2 00	"
" Grandiflorum Striatum , yellow with reddish stripes, new and distinct.....	2 50	"
Heracleum Giganteum , (Giant Parsnips), a remarkable foliage plant of striking appearance; each 25 cents.....	2 50	"
Heracleum Leichtlini , each 25 cents.....	2 50	"
Iberis Sempervirens , (Hardy Candytuft), one of the most desirable Spring flowering plants. It covers the ground with a mat of pure white flowers, H 3/4-1, F 4-5.....	1 50	10 00
Iberis Sempervirens Nana , improved dwarf variety.....	1 25	8 00
" Queen of Italy	1 50	"
Iris Kaempferi (Japanese Iris). See page 5.		
" Germanica (German Iris), in 25 choice named varieties, H 2-3, F 6.....	1 00	5 00
" " Silver King , a most beautiful variety of rich silvery white color.....	1 00	5 00
" " mixed varieties.....	75	3 00
" Siberica Sanguinea , bright blue flowers, H 3-4, F 6, Alba , white.....	75	3 00
Lathyrus Latifolius Splendens , bright pink, 25 cents each.....	2 50	"
" Rotundifolius , an extremely beautiful everlasting Pea, 25 cents each.....	2 50	"
" Latifolius Albus , white everlasting Pea. These everlasting Peas are but little known in this country, but are great favorites in England. They are extremely showy and fine. 25 cents each.....	2 50	"
Liatris Pichnostachya , a most striking hardy Summer-blooming plant, with great rocket like spike of purple flowers, continues a long time in bloom, H 3-5, F 6-9.....	1 50	9 00
Liatris Spicata , H 1-2, F 9.....	1 50	10 00
Linum Perenne (Flax), H 1-1 1/2, F 6-8.....	1 25	8 00
" Album	1 25	8 00
" Roseum	1 25	8 00
Lychnis Viscaria Splendens	1 25	"
" Chalcedonica , dense heads of brilliant scarlet flowers, one of the best border plants, H 1 1/2-3, F 5-8.....	1 25	8 00
Lysimachia Nummularia Aurea , "Golden Moneywort," fine for carpeting.....	1 25	"
" Clethroides (Loosestrife), semi-aquatic, with white flowers, H 2-3, F 7-9.....	1 25	"
Lythrum Superbum Roseum , very showy, splendid for banks of streams and ponds, H 3-5, F 7-8.....	1 50	8 00
Lobelia Cardinalis , native plant, with intensely brilliant cardinal flowers, extremely desirable, H 2-3, F 7-9.....	1 25	6 00
Linaria Hendersonii	1 25	"
Myosotis Palustris Semperflorens , "Water Forget-Me-Not," splendid for naturalizing on edges of ponds and streams; also for beds and borders; blooms all Summer.....	1 25	6 00
Myosotis Dissitiflora , best for shady borders.....	1 00	6 00
Mertensia Virginica , a lovely blue flower, blooming in early Spring, H 2, F 4.....	1 50	10 00
Mertensia Siberica	1 50	"
Monarda Didyma , "Bergamot," very showy, crimson flowers, H 2, F 7-9.....	1 25	8 00
Monarda Didyma Rosea	1 50	9 00
Monarda Fistulosa (Wild Bergamot) mixed colors, H 2-4, F 6-8.....	1 00	6 00
Montbretia Crocusmaeflora , hardy, bulbous, with brilliant orange and scarlet flowers.....	50	3 50
Morina Longifolia , exceedingly handsome and singular, with fine spikes of flowers and ornamental leaves, H 2-3, F 6-7.....	2 00	"
Oenothera Fraseri , "Evening Primrose".....	1 25	8 00
" Splendens , "Evening Primrose".....	1 25	8 00

HARDY PLANTS—Continued.

	per doz.	per 100.
<i>Enothera Missouriensis</i> , "Evening Primrose" H ½,		
" F 6-8	1 25	8 00
" <i>Lamarckiana</i> , "Evening Primrose".....	1 25	8 00

The Evening Primroses are desirable and striking and very effective in the garden on moonlit nights.

<i>Onopordon Acanthium</i> (Scotch Thistle), noble plant, with striking foliage and showy purple flowers, each, 35 cents.....	3 50	.....
" <i>Arabicum</i> , 8 to 10 feet high, both sides of leaves and stems covered with white down.	3 50	.....
" <i>Acaule</i> , each 35 cents.....	.....	.....
<i>Primula Vulgaris</i> , English Hardy Primrose, H ½-¾, F 4-5	1 50	9 00
" <i>Rosea</i>	1 25	7 00
" <i>Veris</i> (Polyanthus), H ½-¾, F 5-6.....	1 00	6 00
<i>Japonica</i> , beautiful and desirable variety.....	1 75	.....
<i>Acaule</i> ,.....	1 50	.....
<i>Pansies</i> , best strain, plants for Spring bedding.....	50	3 50
<i>Pæonies</i> , good varieties, assorted.....	2 00	12 00
" named varieties, 25 cents to \$1.00 each; \$2.50 to \$10.00 per dozen.		

Polygonum Cuspidatum (Giant Knotwood) grows to 12 feet high; makes splendid group for tropical effect.....

<i>Polygonum Amplexicaule</i> , "Mountain Fleece".....	1 25	8 00
<i>Pardanthus Chinensis</i> , "Blackberry Lily".....	1 25	8 00

Penstemon Barbatulus Torreyi, brilliant crimson and orange flowers in July; one of the best hardy plants H 3-5.....

Penstemon Digitalis, showy spikes of pure white flowers.....

<i>Pyrethrum Uliginosum</i> , a splendid Fall flowering plant, with single white daisy-like flowers, H 3-5...	1 25	8 00
" double varieties.....	2 50	18 00
" single varieties.....	1 75	10 00

The Single Pyrethrums are among the loveliest hardy flowers grown. They are splendid for beds and borders, and nothing can be finer for cutting. Their single daisy-like flowers, of all colors, are produced in the greatest profusion early in the Spring, and again in the Fall.

<i>Phlox</i> , best perennial named varieties, clumps from open ground, a fine collection.....	1 50	10 00
" <i>Procumbens</i>	1 00	6 00
" <i>Subulata</i>	1 00	6 00
" " <i>Alba</i>	1 00	7 00
" " "Model," finest of all creeping Phloxes, bright pink.....	1 50	9 00
" <i>Atropurpurea</i> , creeping, of great beauty and vigor.....	1 00	7 00

The creeping Phloxes are among the most charming of hardy plants. They cover the ground with a mat of green at all times, and during the month of May make a most beautiful carpet of white or pink flowers.

Phlox Divaricata, a beautiful native Phlox, with purple flowers, H 1, F 5.....

Plumbago Larpenæ, a dwarf plant covering the ground completely with its foliage. In September it is a mass of beautiful deep blue flowers, which gradually change to violet.....

<i>Papaver Orientale</i> , Great Oriental Poppy, splendid, H 3, F 6.....	1 50	9 00
" <i>Alpinum</i> , White Alpine Poppy.....	1 75	12 00
" <i>Bracteata</i>	1 75	12 00
" <i>Nudicaule</i> , "Iceland Poppy".....	1 75	12 00
" " <i>Alba</i>	1 75	12 00
" " <i>Miniatum</i>	1 75	12 00

Rudbeckia Speciosa, (native) one of the very best border plants in cultivation. A group of R "Golden Glow," surrounded by this variety makes a splendid effect, H 2-3, F 7-9.....

" *Laciniata*, "Golden Glow," new double *Rudbeckia*, grows to 12 feet high, and is undoubtedly one of the most effective plants in cultivation. It is becoming very popular, F 7-9.....

" <i>Fulgida</i> , grows 3 to 4 feet, small yellow flowers, with black center. Very effective.....	1 00	7 00
" <i>Nitida</i>	1 50	10 00
" <i>Hirta</i> , the "Black-eyed Susan" of our meadows.....	1 25	8 00
" <i>Laciniata</i> , tall variety with graceful single yellow flowers.....	1 00	6 00
" <i>Purpurea</i> , large crimson maroon flowers, very distinct.....	1 75	12 00

	per doz.	per 100.
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<i>Rheum Officinale</i> , (Chinese Rhubarb). The immense leaves of this noble foliage plant produce a bold and striking effect. Robinson says this is the most effective foliage plant introduced for many years. Each, 25 cents.....	2 50
" <i>Collinum</i> , like the above, but foliage more deeply cut, splendid. Each, 25 cents.....	3 00	.....
" <i>Emodi</i> , grows 5 feet high, wrinkled-leaved, with red veins. Very effective. Each, 30 cents.....	3 00	.....
" <i>Tanguticum</i> , fine foliage and rapid growth. Each, 30 cents.....	3 00	.....

Rosemary, an old-fashioned plant with scented foliage. *Ruta Graveolens*, (Rue). This is a well-known herb. *Scabiosa Caucasia*, large heads of pale blue flowers, one of the best hardy plants in cultivation, grows and flowers freely in any garden soil.....

Sedum Spectabile, a fine fall flowering plant with great heads of purple flowers, H 1½ F 9-10.....

Spiræa Palmata, broad cluster of the most beautiful crimson flowers, above splendid palmate foliage, H 2, F 7-8.....

" *Palmata Elegans*, a lovely new variety with light pink flowers, H 2, F 7-8.....

" *Astilboides*, a splendid white variety.....

" *Florabunda*.....

" *Ulmaria*.....

" *Aruncus*, a grand native sort with great heads of white flowers, H 3-5, F 6-7.....

" *Filipendula*, Fl. Pl., a beautiful dwarf variety with elegant fern-like foliage, H ½, F 6-7.....

" *Lobata*, one of the handsomest of the *Spiræas*, with deep rosy carmine flowers, H 1½-3, F 6.....

Scutellaria Macrantha, a handsome hardy plant growing about 9 inches high, and producing an abundance of rich velvety dark blue flowers.....

Stachys Lanata, wooly leaves and purple flowers; useful for edging, H 1, F 7.....

Statice Latifolia.....

" *Armeria*, (Sea Pink).....

Sylphium Perfoliatum, yellow flowers, H 4-8, F 7.....

Sanguinaria Canadense, "Blood Root,".....

Silene Virginica, "Indian Pink," one of the best native that should be grown in every garden; brilliant crimson scarlet flowers that are produced in the greatest profusion in May.....

Scolymus Hispanica, interesting thistle-like plant, with yellow flowers, each, 25 cents.....

Sage, the well known herb.....

Trillium Grandiflorum.....

" *Erectum Album*.....

Tenacrium Chamædris, evergreen shining leaves, purple flowers; will grow on barren soils.....

Tritoma Uvaria Grandiflora, (Red Hot Poker), needs protection; a striking Fall flowering plant, H 3-4, F 9-11.....

Thalictrum Glaucum, large glaucous foliage, fine for cutting, H 2-5.....

" *Aquilegifolium*. All *Thalictrums* have handsome foliage, and this variety has quite showy flowers, H 3-4 F 6-7.....

Thermopsis Caroliniana, showy plant with attractive yellow flowers.....

Verbascum Nigrum, yellow flowers in long spikes, dwarf habit, each, 20 cents.....

Verbascum Olympticum, bright yellow flowers and large wooly foliage; a stately plant. Each, 25 cents.....

" *Phœniceum*, seedlings, crimson rose, lilac and white; large and showy; each, 30 cents.....

" *Pannosum*, sulphur yellow flowers; new species with white foliage; each, 35 cents.....

Vioja Pedata, Bird's Foot Violet, a beautiful native sort.....

" *Bicolor*, deep purple flower.....

" *Cornuta*, flowers almost as large as a *Fansy*. This is most desirable of hardy plants, and blooms continuously all season. Blue flowers.....

Verbena Venosa, a hardy *Verbena*, very extensively used in England for bedding. It grows about 18 inches high, but pegged down will cover the ground with heads of lovely purple-violet flowers throughout the season. Not quite hardy, except on thoroughly well drained soils.....

Wahlenbergia Grandiflora.....

" *Alba*.....

Yuca Filamentosa, (Spanish Bayonet), fine strong plants; a stately decorative plant with immense spikes of large white flowers; fine for the garden or lawn.....

" *Augustifolia*.....

Shrubs for Fall Planting.

The following shrubs are all perfectly hardy and can be safely planted in the Fall. For complete list of shrubs and trees see Spring catalogue, which will be sent on application.

SPECIAL OFFER OF SHRUBS.

I want to encourage the planting of shrubs. To be effective they should be planted in masses, but when dealer or nursery-men ask fifty cents each for easily grown shrubs there is not much encouragement to plant them freely. I have made arrangements by which I can supply my customers with well-grown shrubs in the best varieties at the extremely low prices quoted below, but in every instance the selection of varieties must be left to me, but in ordering if it is stated that certain shrubs are not wanted they will not be sent. I guarantee these shrubs to be satisfactory in both quality and variety.

SPECIAL OFFER A. —	50 Shrubs of fine assortment of 15 varieties.....	\$ 6 00
“ “ B. —	100 “ “ “ “ 20 “	10 00
“ “ C. —	500 “ “ “ “ 30 “	45 00
“ “ D. —	1000 “ “ “ “ 40 “	75 00

MY GENERAL CATALOGUE containing full price-list of Trees and Shrubs will be sent free on request.

A Few Shrubs of Exceptional Merit.

All of the shrubs offered in my general list are desirable and have their special uses, some of them are as fine as any described below, but are too well known to need special description, but no grounds are so small that should not include all the following: My Spring catalogue containing full list of shrubs will be sent on application.

**Lonicera, Bella Candida*, each 50 cents, \$5.00 per dozen.
 * “ “ *Rosea*, “ 50 “ 5.00 “
 * “ “ *Albida*, “ 50 “ 5.00 “

Small plants of the above, 25 cents; \$2.50 per dozen.

When I first saw the above new varieties of upright Honeysuckles in the Arnold Arboretum, where they are made a feature of, I was greatly impressed with their beauty, and have waited impatiently for their introduction into the nursery trade. They are extremely effective when in bloom in the Spring, but when covered with large crimson or orange fruit in the Summer and Fall they are asy among the most striking shrubs in cultivation. When they become well known I predict for them the greatest popularity, greater even than that of the popular hardy hydrangea.

**Deutzia Crenata Candidissima*. This is not a new shrub, but it is one of the most beautiful of all the Deutzias and is very scarce. It is most beautiful and should be in every collection. Each, 20 cts.; per doz., \$2.00.

**Deutzia Hybrida Lemoinei*. Beautiful variety, Hybrid of *Deutzia Gracilis D. Parviflora*; blooms early, regularly; the branches are entirely covered with erect panicles, bearing 15 to 25 pure white and well-opened flowers, of a new aspect in *Deutzia*. Each, 25 cents; per dozen, \$2.50.

Deutzia Parviflora. Small shrub, reaching hardly 5 feet in height, branches straight, leaves elliptical, dentated and reticulated with dark green; gives a profusion of beautiful white flowers, fine novelty. Each, 50 cents.

Forsythia Fortuneii Variegata Aurea. Fine novelty; leaves with a large golden-yellow margin. Requires to be planted in a sunny place; very-vigorous and as free flowering as the type. Each, 50 cents.

**Philadelphus Lemoinei Avalanche*. Branches attaining 5 to 6 feet, bent by the weight of flowers; flowers very large, covering the branches; sweet scented, a superb new sort. Each, 75 cents.

Philadelphus. “Silver Ball;” flowers large, double, sweet-scented, fine; each, 30 cents; \$3.00 per dozen.

**Rhus Continus Atropurpureus*. This is a marked improvement on the well known Purple Fringe which I have always considered one of the handsomest shrubs in cultivation. This shrub makes a splendid specimen. The introducer describes the plumes as scarlet, which is hardly true, but they are much deeper in color than those of the old variety. Each, 75 cents.

**Viburnum Dilatatum*, not new, but very scarce; one of the best of the *Viburnums*; grows 8 to 9 feet high; small white flowers in June. The fruit is beautiful orange-red and ripens in September. Each, \$1.00.

**Weigela Eva Rathke*, a new, ever-blooming *Weigela* of great beauty; vigorous, and flowers all summer; large flowers, crimson red. A great acquisition that will become immensely popular. Each, 40 cents; per dozen, \$4.00. Stronger plants, 65 cents each.

Berberis Thunbergii. The nurserymen all unite in praising this splendid shrub, and it deserves all the praise it gets, but the price has been kept pretty high. I have had a large stock grown and offer it at about half current prices, so that my customers can afford to plant it freely. It has every good quality, beautiful habit, fine foliage, free flowering qualities, but its greatest charm is the great quantities of crimson berries which it produces in the Summer and which remain on the bushes all Winter making it very effective in the Winter landscape. It is also fine for cutting for house decoration, almost equal to the holly, which cannot be grown very well north of Washington or east of Philadelphia. This *Berberis* makes a splendid untrimmed hedge, and my low prices make it available for that purpose. Each 20 cents; per dozen, \$2.00; per 100, \$13.00; small plants, \$6.00 per 100.

Cephalanthus Occidentalis. This splendid native shrub is almost unknown and has never been pushed by the nurserymen although scores of inferior things have been praised to the sky, and sold by the thousands. It is really unique, there being no other shrub at all like it. The foliage is luxuriant, bold and finely colored and the white flowers which are produced freely in July, when almost no other shrub is in bloom are remarkable, being perfectly round in shape and about two inches in diameter. They are sweetly scented. This is an excellent shrub for general planting that I can not commend too highly, and like most native shrubs is of the easiest culture. Each 20 cents; \$2.00 per dozen; \$12.00 per 100.

Rubus Odorata. This is the flowering raspberry which grows wild by the tens of thousands in many parts of this country. I want to call especial attention to it, for nothing can be better for covering steep and partially shaded banks. It does best on moist north hillsides. It makes masses of most pleasing and effective foliage and its large purplish red flowers are produced all summer. Each, 20 cents; per dozen, \$1.25; per 100, \$8.00.

Since the above was written I have tested the shrub in my experimental grounds, and have found it one of the most beautiful shrubs in my collection and one of the easiest culture. If it never bloomed, its foliage would make it entirely satisfactory. It was planted in full exposure to the sun in ordinary garden soil.

Rhus Continus. This is a common old shrub that almost everybody knows under the name of “Purple Fringe” or “Smoke Tree,” but it is almost never seen in perfection on account of being ruined by pruning. In good soil, and allowed to develop naturally, it in time makes one of the finest things imaginable, which is well shown by the illustration taken from *Country Life*. Each, 25 cents; per dozen, \$2.50.

Roses for Fall Planting.

Dormant Hardy Roses can be supplied from October 20th until April 1st ; Tea Roses all the year.

The Fall is a much better time for planting Hardy Roses than the Spring, and better plants and a better assortment of varieties can be obtained in the Fall. In fact, I have always found it impossible to obtain a good assortment of Roses on their own roots in the Spring, and I am loath to handle any other kind.

After a long experience with Roses, I have concluded that the imported budded Roses are comparatively worthless for general planting, and I have decided with the exception of a few varieties, which can only be obtained in budded plants, to handle nothing but American-grown Roses on their own roots. The Roses I handle are of exceptionally fine quality — there is nothing finer to be obtained at any price. Dormant Hardy Roses should be planted in the Fall, or very early in the Spring, and when planted fully two-thirds of the top should be cut off. This is imperative. Protect beds during Winter with three or four inches of stable manure.

Roses grown on their own roots do not make as large plants in the nursery as budded plants, but their superiority is unquestioned. I could furnish imported budded plants at half the prices quoted below and make a good profit.

HYBRID PERPETUALS.

	per doz.	per 100.
Anne de Diesbach , Baron de Bonstetten, Coquette des Alpes, Duke of Edinburg, Earl of Dufferin, Gen'l Jacqueminot, Hermosa, Jules Margotten, Madame Plantier, Mme. Gabriel Luizet, Magna Charta, Victor Verdier, Paul Neyron, Prince Camille de Rohan, Clio (fine new white), Helen Keller, Margaret Dickson, Mrs. R. G. S. Crawford, Alfred Colomb, Baroness Rothschild, Fisher Holmes, La Reine, Marchioness of Lorne, Mrs. John Laing, (one of the best, very free flowering), Marchioness of Londonderry, Mabel Morrison, Ulrich Brunner, Coquette des Blanches, Captain Christy, Marshall P. Wilder, Mrs. Cleveland, Pierre Notting, Vicks Caprice, C. de Sansel, Climbing Jules Margotten, Climbing Victor Verdier, Countess de Serenye, General Washington, John Hopper, 2 year old plants, principally on their own roots, 30 cents each.....	\$3 00	\$20 00

MISCELLANEOUS ROSES.

	per doz.	per 100.
Hybrid Teas. METEOR, White La France, 4 and 5 inch pots	\$3 50	\$18 00
Moss. Salet, Glory of Mosses, Perpetual White Crested, Mme. Blanche Moreau, Paul Fontaine, budded	3 00	20 00
Hardy Yellow. Persian and Harrison Yellow.....	3 50	20 00
Rugosa. Rugosa Rubra and Alba, Mme. Geo. Bruant., Briar. Rosa Rubiginosa (Genuine Scotch Sweet Briar)	2 00	12 00
Climbing Roses—		
Queen of Prairie, Baltimore Bell and Seven Sisters Climbing Victor Verdier, Climbing Jules Margotten, Gem of Prairie and Tennessee Belle.....	2 50	12 00
Dawson, 2 years, own roots.....	3 00	18 00
Tea and Noisette—		
Hermosa, Niphetos, Lamarque, Testout, 5 in. pots, Bridesmaid, Mermet, Perle des Jardins, and all standard varieties, 4 and 5 inch pots.....	3 00	18 00
MARECHAL NIEL, 5 inch pots.....	3 50	20 00
“ “ “ 3½ “ “ “.....	3 00	15 00
Polyantha. A fine assortment, 5 inch pots.....	3 00	18 00

	per doz.	per 100.
Tree Roses. (Not recommended.) A fine lot of Holland grown plants. Our assortment includes the cream of the hardy varieties, such as Baroness Luizet, Magna Charta, Brunner, etc.....	\$20 00	.....

RAMBLER ROSES.

	each.	per doz.
Yellow Rambler	\$ 30	\$ 3 00
White “	30	3 00
Pink “	30	3 00

ROSA WICHURIANA HYBRIDS.

	each.	per doz.
Universal Favorite. A free grower, producing long branching shoots, with bright shiny foliage in abundance, and soft, light pink double flowers, two inches in diameter, strongly perfumed.....	\$ 30	\$3 00
South Orange Perfection This is a gem, with free growth close to the ground, and produces multitudes of the most perfectly formed double white flowers, about one and a half inches in diameter, soft blush pink at the tips, changing to white.....	30	3 00
Manda's Triumph. This is a grand hybrid of free growth with fine foliage, and clusters of from twelve to eighteen flowers on even a small size shoot, literally covering the plant with its perfectly formed double white flowers, nearly two inches across, beautifully imbricated ; a valuable sort for either cut flowers or pot plants. It is also very sweet scented.....	30	3 00
Pink Roamer. This is without question a hybrid between the “Sweetbrier” and carries these characteristics in bloom, while the growth, which is very rampant, partakes more of the “Wichuriana.” The single flowers, which are produced in close heads, are nearly two inches in diameter, bright rich pink, with almost a white center, which lightens up the orange red stamens, producing an effect which, combined with the fragrance, makes it one of the most valuable roses in cultivation.....	30	3 00

Carmine Pillar Rose.

This splendid new single Rose is extremely effective. It is perfectly hardy, of rampant growth, and literally covered with large brilliant single crimson flowers in June. It is the showiest Rose in cultivation. Strong plants. This Rose in some respects is better than the famous Crimson Rambler. 40 cents each ; \$3.50 per dozen.

Crimson Rambler Rose.

“The Gardeners' Chronicle, of London, England, printed an illustration from a photo of the Crimson Rambler Rose, which is well known for its extraordinary free blooming character. According to this picture, sixteen strong stalks ornamented a hedge twelve yards in length. Every stalk carried about fifty clusters of flowers. If the fact is taken into consideration that each cluster averages about forty open flowers, one arrives at the enormous total of 32,000 roses to a single plant. The paper also emphasizes the fact that this variety is very hardy.”

The sales of Crimson Rambler Roses have greatly exceeded that of any other Rose extant within the same number of years, and it is said that the fortunate English introducers of this variety have made a profit of over one hundred thousand dollars with it. For two or three years after its introduction I was rather skeptical of its merits, but I am now convinced that they have never been exaggerated. It is strikingly beautiful, absolutely hardy, and no rose can be used for more purposes. As a climber it is unsurpassed, perhaps unequalled ; as a pot plant for forcing, the florists are finding it extremely popular ; by keeping it cut down it makes a splendid bedding rose, and a hedge of it is one of the most beautiful objects imaginable. I can supply a splendid stock of plants, **all grown on their own roots**, at these extremely low prices: 30 cents each ; \$3.00 per dozen ; \$20.00 per 100.

ROSES.—Continued.

Rosa Wichuriana.

In some respects this Rose, which is also known as the "Memorial Rose," is better than Crimson Rambler, although it lacks the brilliant color of its more advertised cotemporary. As a climber for covering porches, trellises and arches, and as a creeper for covering steep banks or any ground needing covering, is unequaled. The foliage is a lustrous shining green. In bloom the plant is literally covered with exquisitely beautiful single white flowers, which is followed by an abundant crop of bright red hips or berries, which remain on the plant all winter. The Rose is entirely free from attacks of insects or disease, and is absolutely hardy, root and branch.

Strong Two Year Old Plants.....	30 cents each, \$3.00 per dozen, \$20.00 per 100.
" One "	20 " 1.75 " 10.00 "

Lord Penzance's New Hybrid Sweet Briars.

The Sweet Briar, or Eglantine, is acknowledged by all to possess one of the sweetest perfumes that nature has provided, and its delicious scent is the object for which it is usually cultivated. These new varieties are vast improvements upon the old sorts. They are hybrids obtained by the Right Hon. Lord Penzance between the common Sweet Briar and various old-fashioned garden Roses, and are possessed with the following advantages :

The flowers, which are borne in wondrous profusion, are varied in color from white, through several shades of pink, to very dark red or crimson.

For vigor of growth there is scarcely anything in the Rose world equal to them. Plants three years old have now many shoots on them that rise to the height of twelve feet. These, with a slightly outward bent and clothed with flowers of exquisite tints, produce a gorgeous effect not easily forgotten by any who have seen them.

These Roses are more effective when naturalized or used among shrubs than when used as garden plants.

- Anne of Geierstein, dark crimson.
- Flora McIver, pure white, blushed rose.
- Meg Merrilles, crimson.
- Amy Robsart, lovely deep rose, graceful buds.
- Brenda, blush of peach, dainty in coloring and shading.
- Catherine Seyton, soft rosy pink, free blooming.

- Lucy Bertram, fine deep crimson, very rich.
- Rose Bradwardine, beautiful, clear rose.
- Lady Penzance, beautiful soft tint of copper; very lovely.
- Lord Penzance, soft shade of fawn, passing to a lovely emerald yellow.

Prices for extra strong plants of the above, 30 cents each; \$3.00 per dozen; \$20.00 per 100.

Wild Roses of Various Countries.

With the exception of the Japanese Rose, ROSA RUGOSA, American nurserymen have ignored the numerous wild roses, which is unfortunate, for they are undoubtedly the most decorative roses that can be planted, and splendid effects are to be had with them not obtainable with any other plants, and as a rule they are of the easiest culture, vigorous growers and entirely free from attacks of insects or disease. The flowers of all are of course single, but many people, of whom I am one, think single flowers more beautiful than double ones, which after all are abnormal and the coloring, form and often the arrangement of single roses is exquisitely beautiful. I think one of the most beautiful garden pictures I have seen was a trellis covered with a ROSA MULTIFLORA with a border of colored pæonies at the base of the trellis. Both pæonies and roses were in bloom. The rose was covered with literally thousands of its lovely white blooms, each with a center of rich yellow stamens.

These wild roses can be used in many ways; some are climbers and can be used for covering anything desirable to cover with a climber; others like ROSA WICHURIANA are creepers, and are splendid for covering rough banks and are desirable for planting among shrubbery but especially ROSA RUBRIFOLIA, ROSA RUGOSA and ROSA SETIGERA. ROSA Rubrifolia is especially striking on account of its reddish-purple foliage which makes a fine contrast with its own lovely pink flowers and with the green foliage of surrounding shrubs. ROSA RUGOSA is now pretty well known but is deserving of the greatest popularity. It has every good quality, splendid foliage, immense single red or white flowers, which bloom freely all season and which are followed by large, beautiful red fruit, which lasts until severe freezing weather comes in Winter. It should always be planted in masses, either by itself or in connection with other shrubbery. It also makes a beautiful hedge.

	each.	per doz.	per 100		each.	per doz.	per 100
Rosa Arvensis.....	\$ 25	\$2 50	.....	Rosa Rugosa, Alba, large white flowers.....	\$ 30	\$3 00	\$20 00
" Canina, "Dog Rose," small plants.	15	1 50	.....	" Setigera, Alba, "Single Prairie Rose," blooms in July, striking and fine, desirable for shrubberies.....	25	2 50	.....
" Carolina, American wild rose, blooms in July.	15	1 50	.....	" Wichuriana, trailing Japanese Rose; splendid for covering banks or trained as a climber.	30	3 00	20 00
" Lucida, dwarf American wild rose.....	25	2 50	.....	" Nuttallina.....	25	2 50	.....
" Multiflora, (Japanese,) an extremely beautiful rose that can be used as a climber.....	30	3 00	.....	" Polyantha.....	25	2 50	.....
" Rubrifolia, beautiful reddish foliage contrasting well with its beautiful pink flowers. Very striking and pretty in groups or planted among shrubbery.....	30	3 00	\$20 00	" Acicularis, (Siberian Rose,) the first rose to bloom in Spring, large red sweet scented, followed by curious red fruit.....	40	4 00	.....
" Rubiginosa, "Sweet Briar".....	25	2 00	10 00	" Indica, (Indian Rose,) single deep crimson flowers.....	50	5 00	.....
" Rugosa, mixed colors.....	20	2 00	14 00				
" Rugosa Rubra, large red flowers, (Japanese Rose,) extremely desirable.....	30	3 00	20 00				



SINGLE PYRETHRUMS.—For special description see page 12.

Landscape Gardening.

The majority of American suburban grounds are laid out and planted without the aid of professional advice. The result is almost always unsatisfactory, although often the expenditure would have secured most beautiful results if directed by skilled advice. I do landscape gardening—do it for people of exacting taste, to whom I refer. I make the plans, with estimates, purchase the stock necessary and superintend the work. I do any one of all these things, satisfactorily as to results, moderately as to cost. For small grounds I can make satisfactory plans if furnished with a plat drawn to scale. For large grounds, and where extensive improvements are desired a personal visit would be necessary and can be arranged for on reasonable terms. I can make no plans during the month of April.

J. WILKINSON ELLIOTT,

LANDSCAPE ARCHITECT,

HORTICULTURAL BUYER'S AGENT,

CARNEGIE BUILDING,

PITTSBURGH, PA.

TELEPHONES:

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